# CrossTalk

*October 2025* *66 Years Of Service To Amateur Radio & Our Community* *Issue 66 : 10*


## 2025 Club Officers

| | |
|---|---|
| **President :** | **Jonathan Pearce WB2MNF** |
| **Vice President :** | **Ronald Block NR2B** |
| **Treasurer :** | **John O'Connell K2QA** |
| **Recording Secretary :** | **John Zaruba Jr K2ZA** |
| **Corresponding Secretary :** | **Michael Resnick N2WOQ** |

**Trustees - 4 Year Term**

| | |
|---|---|
| **Charles Lanard KD2EIB** | **(2022-2025)** |
| **Sheldon Parker K2MEN** | **(2023-2026)** |
| **Len Rust W2LJR** | **(2024-2027)** |
| **Earl Moore KC2NCH** | **(2025-2028)** |

## Directors - 3 Year Term

| | | | |
|---|---|---|---|
| **Chris Prioli AD2CS** | **(2023-2025)** | **Bill Price NJ2S** | **(2024-2026)** |
| **James Wright N2GXJ** | **(2023-2025)** | **Jeffrey Garth WB2ZBN** | **(2025-2027)** |
| **Al Arrison KB2AYU** | **(2024-2026)** | **Frank Romeo N3PUU** | **(2025-2027)** |

**General Membership Meeting**
**Wednesday, October 01, 2025 @ 1900 Hours**
**In-Person & ZOOM : 914 7364 1808, 843147**

**Tech Saturday Forum**
**Saturday, October 04, 2025 @ 0900 Hours**
**W2MMD Clubhouse**

**CPR & First Aid Classes**
**Sunday, October 05, 2025**
**Sunday, October 12, 2025**
**W2MMD Clubhouse**

**Traffic Handling Classes**
**Tuesday, October 07, 2025**
**Tuesday, October 14, 2025**
**ZOOM Teleconference**

**License Testing Session**
**Thursday, October 09, 2025 @ 1900 Hours**
**W2MMD Clubhouse**

**Board of Directors Meeting**
**Wednesday, October 15, 2025 @ 1900 Hours**
**W2MMD Clubhouse**

**Tuesday AfterNoon 2M Net @ 1200 Hours**

**Thursday Night 2M Net @ 2000 Hours**

**Monday & Thursday Night 40M Net @ 1930 Hours**
**7.170 MHz (+/- 5 or 10 kHz)**

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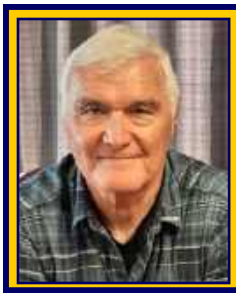
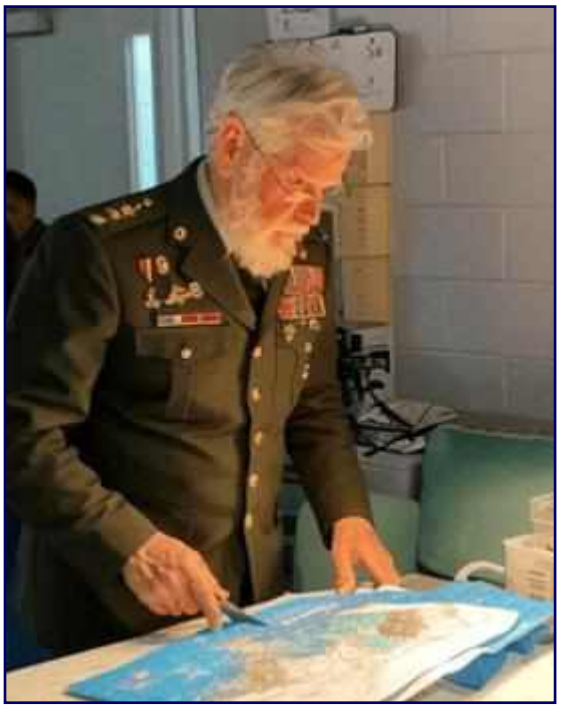


# President's Letter
# Jon Pearce WB2MNF

## October 2025



**HamFest Chairman Ron Block NR2B Planning The Event**

September is always a busy month for the Gloucester County Amateur Radio Club, and this year was no exception. An active Tech Saturday Forum occurred along with a well-attended Fox Hunt 34, but the premier activity is always the Annual HamFest, an event for which the Club holds its collective breath for good weather. Throughout August and early September we were blessed with clear skies and moderate temperatures, which created the hope that similar weather would occur on that important date. **Ron Block NR2B** and his forty person HamFest team had planned for every contingency in a document whose level of detail rivaled that of the plan for the Normandy invasion, but also knowing that the ultimate risk was out of the hands of even the most thorough hamfest planner. And although every Club member swore that they had offered the most humble prayers to the gods of weather, had followed each of the principles of the ARRL Amateur's Code, had always used the minimum power necessary and had never looked up a station's grid square on QRZ.com during the DX contest - still the heavens opened up and poured forth rain.

Despite that, attendance at the event was good - most vendors still showed up although there were no tailgaters (looks like that Lafayette Radio receiver and Heathkit grid dip meter will sit in your basement for yet another year). The seminars were excellent, with **Jim Wright N2GXJ's** in-depth session on antenna design and optimization in 3D, **Robert Famiglio K3RF's** ARRL update, and **Angela Metzger KE2DRJ's** talk on engaging middle school kids in STEM through ham radio. The balloon launch that was planned gave us a chance to experiment with the effect of rain on a balloon, which predictably rose from the Clubhouse lawn, flew over the ticket booth and landed in the field about 100 yards away, whereupon we dumped another 10 grams of helium into it and sent it into the clouds, never to be heard from again.

Final attendance counts remain to be reported but the financial results are promising - we were only about slightly below our budgeted net income from the event, and combined with the surplus from other activities (notably strong membership growth) we expect to end the year with a financial surplus despite the HamFest rainout. And massive thanks go to **Ron**, **Mike Resnick N2WOQ** who assisted, along with gate staff, announcers, speakers, security, and Clubhouse welcomers - their efforts underscore why our Club stands out.

**Other Activities -** In other September activities the Tech Saturday Forum drew about 15 participants focused on setting up and testing 915 MHz unlicensed Meshtastic radios, exploring channel configs, encryption, and mesh networking for emergency or extended-range comms. The Fox Hunt was a solid success, with participants honing their direction-finding skills in a fun, competitive format - congrats to the winners, and we look forward to the next one.

***President's Letter - Continued on page 3***

*President's Letter - Continued from page 2*

**CPR Course -** Sign-ups for the CPR/First Aid classes led by Josh Boylan KE2FSC are moving along steadily, with sessions scheduled for October 5 and 12. These are essential skills for any operator involved in public service or emergency comms - registration closes September 30th, so if you're planning to attend, get your name in now via the registration form at **GCARC Heartsaver CPR and First Aid Class – GCARC Payments and Registration Portal**.

**Tech Saturday Forum -** The October 4th Tech Saturday Forum will dive into APRS, covering the basics of packet radio for position reporting, messaging, and digipeating. We'll explore setup with common HTs and mobile rigs, including integration with GPS for tracking balloons or field ops, and touch on using APRS for real-time weather or event coordination. This hands-on session builds on Club experiences like using the digipeater on the International Space Station and is ideal for those looking to understand and use this interesting capability.

**Remote HF Station Operation -** Activity on this station has grown recently and several instances of lack of coordination in scheduling were discussed at the September Board meeting. Remote operators should be careful to note the sign-ups on the "**Clubhouse Calendar**" page of our website and not to interfere with an operator who has reserved and is using the station.

**EME Dish Mount -** The pipe for mounting our 2.4-meter EME dish has been cemented in place just outside the VHF room window, setting the stage for the ARRL EME Contest the weekend of October 11-12. **Al KB2AYU**, **Frank N3PUU**, and **John K2QA** are making final adjustments to the station, so plan to stop by the Clubhouse to see 1296 MHz signals bounced off the moon. Operating hours will be announced closer to the event.

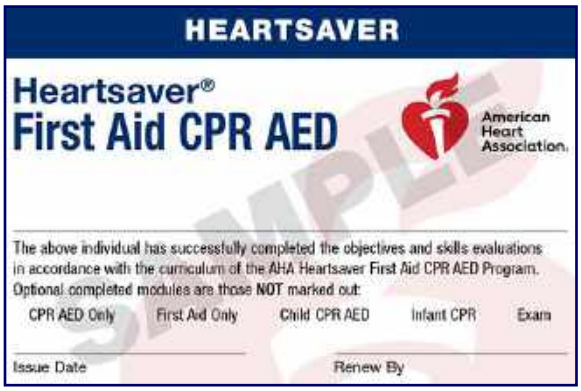
**Dinner at the W2MMD Clubhouse -** Don't forget our monthly dinner at the Clubhouse, held on the fourth Wednesday. This month, with five Wednesdays, that falls on October 22nd. It's a great chance for eyeball QSOs and catching up on Club projects.

**Congrats to SJRA -** A special congratulations to the **South Jersey Radio Association** and their **President Rick Lawn W2JAZ** on their outstanding article in the October issue of QST, detailing engaging fox hunting activities tailored for kids. SJRA has been a leader in working with the Scouts in South Jersey and the article describes a very successful event.

**73 de Jon WB2MNF**

## GCARC Heartsaver® CPR and First Aid Classes

GCARC will host CPR and First Aid training sessions at the W2MMD Clubhouse. There will be four sessions, with each one limited to 12 participants.


HEARTSAVER
Heartsaver®
First Aid CPR AED
American Heart Association.
The above individual has successfully completed the objectives and skills evaluations in accordance with the curriculum of the AHA Heartsaver First Aid CPR AED Program.
Optional completed modules are those NOT marked out:
CPR AED Only
First Aid Only
Child CPR AED
Infant CPR
Exam
Issue Date
Renew By
SAMPLE

**The available sessions are :**

- **Sunday, October 5, 2025 : 9AM - Noon**
- **Sunday, October 5, 2025 : 1PM - 4PM**
- **Sunday, October 12, 2025 : 9AM - Noon**
- **Sunday, October 12, 2025 : 1PM - 4PM**

The course will be taught by Club member **Josh Boylan KE2FSC**, an EMT trainer and paramedic. The sessions will cover the AHA Heartsaver® CPR course and first aid topics relevant to Clubhouse activities. Upon completion of the course, students will be issued an AHA Heartsaver® CPR AED certification.

Josh has donated a first aid kit tailored to common injuries at the Clubhouse, which will be demonstrated for use. The training is available to Club members and one additional family member.

For cancellations or changes, contact Jon Pearce at ***president@w2mmd.org*** by September 30th.

**To register for classes, go to :**
**https://registration.w2mmd.org/wpregp/gcarc-heartsaver-cpr-and-first-aid-class**

## Virtual Traffic Handling Training Coming To SNJ Section

**By Dave Sheppard W2PAX - ARRL SNJ Section Traffic Manager**

In an effort to bring formal traffic handling back to South Jersey, please join us **October 7 and 14, 2025** from **8 to 9 PM** on ZOOM for training sessions on the National Traffic System and radiogram format. The first session will be a basic description of what the NTS is and how it functions, moving messages across North America and around the world. The second session will be devoted to the radiogram, breaking down its parts and how to send one by voice.

Deadline to register was September 26, 2025.

For questions or additional information, contact **SNJ Section Traffic Manager Dave Sheppard W2PAX** at **csxtbonevalley@comcast.net**.

**What's happening in the ARRL Southern New Jersey Section??**

**Subscribe to the ARRL SNJ Section Groups.IO**
**https://groups.io/g/ARRLSouthernNewJerseySection**

# Welcome New Club Members :

**Robert Erenburg KD2BGJ, a General Class from Wilmington, DE.**
**Paul Kaplan N2FOB, a General Class from Sicklerville, NJ.**
**Martin Moon KD3BWV, a General Class from Media, PA.**
**Brandon Taylor KE2GLJ, a General Class from Haddon Heights, NJ.**

We are glad to have you as a member of the Club and hope to see you regularly at Club meetings, events, and activities. Hope to see you at :

- **The October 1st General Membership Meeting, either in-person or on ZOOM**
- **The October 4th Tech Saturday Forum @ the W2MMD Clubhouse**
- **The Board of Directors Meeting on October 15th**
- **The Dinner at the Clubhouse on October 22nd**

**We also hope to "SEE" you on the "AIR" on the following nets :**

- **Sunday Night Skywarn 2 Meter Net @ 1930 Hours.**
- **Sunday Night ARES 2 Meter Net @ 2000 Hours.**
- **Tuesday AfterNoon 2 Meter Net @ 1200 Hours.**
- **Monday & Thursday Night 40 Meter Nets on 7.170 MHz (+/- 5 or 10 kHz) @ 1930 Hours.**
- **Thursday Night Rag Chew 2 Meter Net @ 2000 Hours.**

**All 2 Meter Nets are on our 147.180 MHz (PL 131.8) repeater or on EchoLink W2MMD-R.**

## So you find our website confusing, can't find anything

**I have created a page called "Quick Links"**

**On this page you will find "Buttons" to some the most popular pages**
**I will add more as time goes on, but I hope this helps your journey navigating through your Club Website!**
**https://gloucestercountyarc.weebly.com/quick-links.html**

**Here is a preliminary slate of candidates for the 2026 Club Officer Elections. Voting will take place at the December 3, 2025 General Membership Meeting.**

- **President : Jonathan Pearce WB2MNF**
- **Vice President : Ron Block NR2B**
- **Treasurer : John O'Connell K2QA**
- **Recording Secretary : John Zaruba Jr K2ZA**
- **Corresponding Secretary : Michael Resnick N2WOQ**

**Vote For 2 :**

- **Director : Chris Prioli AD2CS**
- **Director : James Wright N2GXJ**

**Vote For 1 :**

- **Trustee : Charles Lanard KD2EIB**

**General Membership Meeting**

**Wednesday, October 01, 2025 @ 1900 Hours**

**Pfeiffer Community Center**

**Simulcast Live Via ZOOM : Meeting ID : 914 7364 1808; Passcode : 843147**
**Join ZOOM Meeting Link : https://bit.ly/3Pt4dLO**

**Go to : https://gloucestercountyarc.weebly.com/2025-content--activities--resources.html to download the ZOOM log-on instructions PDF**

## The Lowly Coaxial Cable

**By Spencer Webb W2SW**

Amateur Radio operators often devote significant attention to ***Standing Wave Ratio (SWR)*** - but how much of that concern is truly warranted? At this month's program, **Spencer Webb W2SW** will return and take a practical and physics-based look at transmission lines and their role in RF system performance.

He will explore the fundamentals of how transmission lines carry energy to and from antennas, and address common questions such as :

- **Does coaxial cable actually leak RF?**
- **How does transmission line loss affect system efficiency - and how can it be minimized?**
- **Is premium coax worth the investment, or are there cases where budget options outperform?**
- **What are the trade-offs between open line, coaxial cable, and waveguide?**

Hopefully, you will gain a deeper understanding of key concepts including loss, matching, characteristic impedance, and the ACTUAL real-world implications of SWR. We'll also examine the use of autotuners and how they've influenced both amateur and professional HF communication practices.

Whether you're optimizing your station or simply curious about what's happening between your rig and your antenna, this session will offer clarity, context, and practical takeaways. Don't miss it!

## Tech Saturday Forum

## October 04, 2025 @ 0900 Hours

## W2MMD Clubhouse

## Forum Topic :
## John Zaruba Jr K2ZA
## Introduction To APRS

John will cover the basics of this messaging medium and highlighting some of the less-known yet useful features that many of us haven't yet explored. John may also describe communicating with the International Space Station using APRS and could demonstrate it if convenient passes occur during the session - a fascinating feat achievable with a simple HT. Future sessions may delve into setting up your own APRS station using Direwolf software, empowering you to fully utilize this fascinating communications protocol. We are also reassembling the APRS station to transmit weather data from the Clubhouse weather station, making this session a perfect entry point into a larger project underway.

Each Tech Saturday is a Q & A Session About All Things Ham Radio and Socializing. The HF Station Will Be Available For Local Operation. Everyone is welcome to all Club meetings, events, and activities.

## NTS Resources

The National Traffic System® (NTS) is a network of Amateur Radio operators who move information during disasters and other emergencies. General messages offering well wishes also move through the NTS to help test the system and to help Amateur Radio operators build traffic handling skills. While the NTS is primarily set up to serve the United States and Canada, it is possible to move traffic internationally through the NTS through various local, regional, area, and international network connections.

- **NTS 2.0 : https://nts2.arrl.org**
- **NTS Manual : https://www.arrl.org/nts-manual**
- **NTS Methods and Practices Guidelines Table of Contents : https://www.arrl.org/table-of-contents-nts-methods-and-practices-guidelines**
- **Handling Instructions : https://nts2.arrl.org/hx-handling-instructions**
- **Numbered Texts : https://nts2.arrl.org/numbered-texts**
- **Form Encoding Rules for Form : https://nts2.arrl.org/form-encoding-rules-for-forms**

**There is a new website for the Gloucester County Amateur Radio Club Volunteer Examiner Team. Everything you need to know about getting your ham license or upgrading your license can be found on this website. Pass It Around!**

**https://veteam.w2mmd.org**

***"Dinner @ The W2MMD Clubhouse"***
**Wednesday, October 22, 2025 @ 1800 Hours**

# Fox Hunt 34 - Pre-Autumnal Hunt - September 14, 2025

**By Jim Wright N2GXJ**

You couldn't have asked for a nicer sunnier day for a radio fox hunt on Sunday, September 14th. We had 7 hunt teams this time, including some new Club members, and some friends and family, out looking for the hidden transmitter.

With the boundaries starting from the James Atkinson Park on Route 47 and then encircling the Washington Lake Park in the Turnersville area of Gloucester County, the hunt teams checked in on our Pitman repeater and awaited the transmitter to be turned on at 1pm. I picked a spot on a wooded trail near a lake deep within the Washington Lake Park in the Turnersville area of Gloucester County. I knew it would be a challenge, but it wasn't intended to be as challenging as it turned out to be.

**Karl Frank W2KBF**, said he started near the dog park on the southern edge of the hunt boundary, and had the good luck of finding my car parked there. But finding where I'd parked my car, and finding where the transmitter was hidden deeper into the woods turned out to be more of a challenge. Others started in the James Atkinson Park area, along the North-West boundary of the hunt area, only to learn after a half hour of hunting there that the reason they were having trouble hearing the transmitter was that it was not there. Packing back in their cars and driving to the Washington Lake park, they joined in with the others already searching in the park.

**Marc Federici WM2Y**, was first to find the lake area and began to close in on the transmitter. Though alone at the time, he said he'd seen other hunters on the trails, like **Earl Moore KC2NCH**, and **Karl**, but wasn't sure which way they'd gone. For now, he was the only hunter in the area, closing in on the fox. But this too took a while. As so often happens, the close-in part of the hunt can be its own challenge too. My friend Jim and I, who had hidden the fox together, couldn't help but laugh as we sat by and watched Marc walk several times back and forth past, and then under where the transmitter was placed about 6 feet up in a tree without seeing it. He knew he was close, but it took a while for him to look up to see it. Eventually he did, and with a yelp of success, officially became the first to find the fox on this hunt. Congratulations Marc!

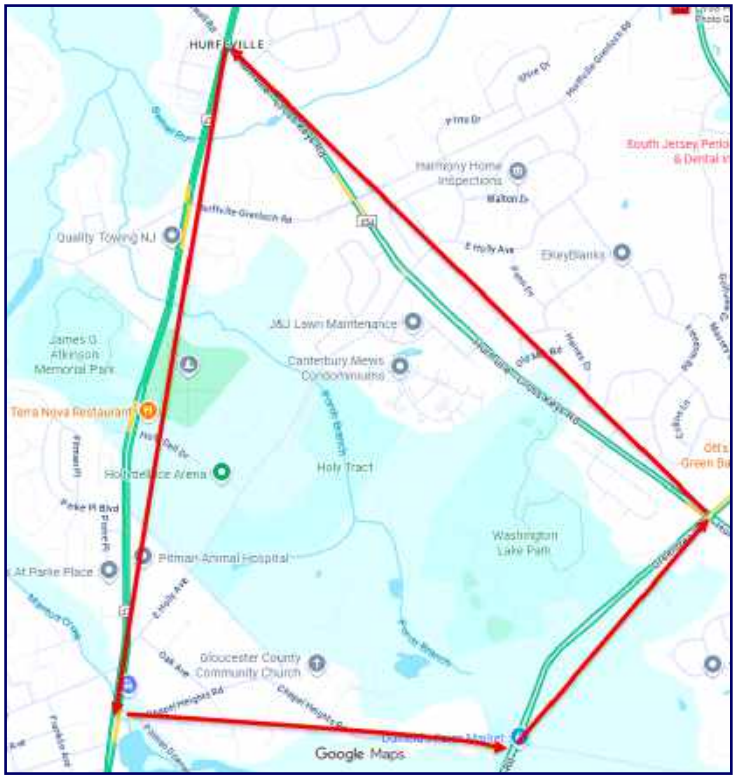
As it got closer to being an hour since the hunt began, we got on the radio to begin to help talk others into the area. Marc walked back out to the amphitheater area in the park, and then helped guide others to find their way back to the lake, so that they could find the transmitter too. Eventually everybody did.

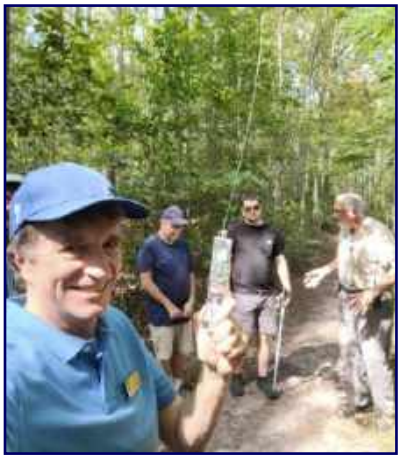
After taking a few pictures, a few of us went over to the nearby **Dolce Vita Gelateria** to continue our hunt stories there, before going our own ways, looking forward to the Eagles football game that was to be played later in the day. Won't you consider joining us on our next one?

**Denver KE2GFG; Marc WM2Y; Earl KC2NCH; Karl W2KBF; Bruce KD2LBU**

*Fox Hunt 34 - Continued on page 9*

*Fox Hunt 34 - Continued from page 8*





**Denver KE2GFG; Diane W2WHD; Matt KE2GNY Family & Friend**

# GCARC Monthly VE Exam Testing Summary - September 2025

**By Chris Prioli AD2CS**

Two scheduled VE sessions were held in September this year, one of which occurred on Sunday, 7 September 2025 and the second on Thursday, 11 September 2025. The first of these, held as an adjunct to the GCARC Annual HamFest that day, was attended by a total of five exam candidates. The second session was attended by a total of two candidates. Both VE sessions were held at the W2MMD Clubhouse and were administered by Volunteer Examiners as listed by session below, with Chris Prioli AD2CS serving as Team Liaison for both events :

- **HamFest Event - 7 September**
  - **Alex Bodnar K3CIM**
  - **Art Clemons N8BLK**
  - **Steve Farney W2SEF**
  - **Joe Gadoury N2JJG**
  - **Earl Moore KC2NCH**
  - **Gary Reed N2QEE**
  - **Rich Subers W2RHS**

- **Regular Monthly Event - 11 September**
  - **Greg Ciraula K3GC**
  - **MaryLu Ciraula K3MLC**
  - **John O'Connell K2QA**
  - **Rich Subers W2RHS**
  - **Mike Thompson KG4JYA**

**Alex Bodnar K3CIM** and **Art Clemons N8BLK** are visiting ARRL VE's, working with our team for the first (Alex) and second (Art) time during the HamFest session.

The exam candidates, listed by session, sat for and mostly passed exams as indicated below :

- **HamFest Event - 7 September**
  - **Ronald Cirino Jr KR4GQT of Spotsylvania, VA, Technician and General**
  - **Emily Hicks KE2GRX of Haddonfield, NJ, Technician**
  - **Jean Hicks KE2GRW of Haddonfield, NJ, Technician**
  - **Robert Ludes FRN 0037346178 of Drexel Hill, PA unsuccessfully attempted Technician**
  - **Brandon Taylor KE2GLJ of Pennsville, NJ, General**

- **Regular Monthly Event - 11 September**
  - **Michael Harris KD3BUO of Smyrna, DE, General**
  - **Martin Moon KD3BWV of Media, PA, Technician and General**

The VE Team proctored the exam sessions using completely electronic methodologies. This means that the candidates completed the exams online, and that all grading and submissions were done online as well.

The next regularly-scheduled VE session will be held on Thursday, 9 October 2025, at 1900 Hours at the W2MMD Clubhouse. The VE team will be using the ExamTools system to its fullest capability, within our current technological means.

It is important that all test candidates going forward will be advised, whenever possible, to pre-register and pre-pay for the exam online. Specifics of that process are explained at : **https://veteam.w2mmd.org**

## Membership Badges Ready For Pick-Up

***They can be picked up at the W2MMD Clubhouse or at the monthly General Membership Meetings***

**Bryan Bossle KE2APN**
**Dave Danichkin KD2UXC**
**Jon Davidson KE2DYD**
**Misael Fernandez KE2EBL**
**Jim Foster W3JNF**
**Gary Hewitt N2WHV ***
**Jim McCullough KE2BEL**
**Frank Parsinitz KD2GSY**
**Jack Snyder AI2D**
**Marian Yanka KE2GOL**

The Clubhouse is open and accessible every Saturday from 0700 until 1600 Hours, and on the third and fourth Wednesday evening of each month as well as the second Thursday evening of each month from about 1700 until 2000 Hours.

The badges can also be picked up at any General Membership Meeting. They will be displayed at the Hospitality Table

If there is an asterisk (*) after your call sign above, your badge is a replacement and has a cost of $5.00 payable to the Club at the time of pickup of the badge.

**Good turn out for the August 9th Tech Saturday**

## New Members Support Group & Discord Channel

- **Organized By Jim Beury KE2DRN**
- **Objective : To focus Club resources on the needs of newly licensed members**
- **Supported by "new_members" Discord Channel**

## Additional Support :

- **Saturday Morning @ The W2MMD Clubhouse**
- **GCARC@MAILMAN.QTH.NET Club E-mail Reflector**
- **E-Mail President @ w2mmd.org**

## *DAs and DITs*

>> Condolences to **Angela Metzger KE2DRJ** and family with the loss of her brother.

>> Congratulations to **Don Martel N2SPW** for being appointed **Camden County Emergency Coordinator** following the resignation of **Tim Carvis WB9ULP**.

## ADIF Logs Wanted When Operating As W2MMD @ The Clubhouse

**By Jim Wright N2GXJ - Contact me via e-mail on Club Roster List**

**It is a common courtesy in ham radio to be able to QSL 2-way contacts made with other hams. We're pretty good about doing this for our field day contacts made each year, but are falling behind in this for contacts we make from the Clubhouse as W2MMD.**

### So here is the ask :

**If you operate from the Clubhouse as W2MMD (e.g. on HF, UHF/VHF, or on Satellite, at Tech Saturday, or during contests or other), please email me the electronic log entries in ADIF format from the logger program you used for those contacts?**

**That way, just like I do following field day each year, I can get them uploaded to LOTW and to eQSL to offer the courtesy of an electronic QSL to those who make contact with us as W2MMD here in NJ.**

### Thank you

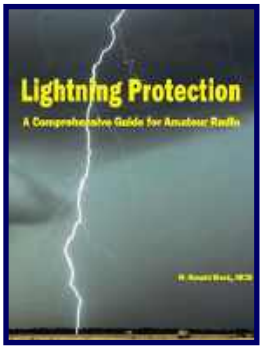
## Need a ride to a Club meeting, event, or activity?

**Just send a message to the Club's e-mail reflector asking if a member can pick you up**

**GCARC <*at*> MAILMAN <*dot*> QTH <*dot*> NET**

**All Club members have access to this FREE e-mail service**

**Lightning Protection :**
**A Comprehensive Guide for Amateur Radio**
**Author : W. Ronald Block, NR2B**
**Contact : ron@wrblock.com**
**Website : www.wrblock.com**



## Regional (Atlantic & Hudson Divisions) Hamfests & Events

**October 04, 2025 :** Red Rose Repeater Association, Hamfest, Garden Spot Fire & Rescue, 339 East Main Street, New Holland, PA. **www.w3rrr.org**

**October, 05, 2025 :** Columbia Amateur Radio Association, CARA Fest, Howard County Fairgrounds, 2210 Fairgrounds Road, West Friendship, MD. **www.columbiaara.org**

**October 05, 2025 :** Splitrock Amateur Radio Association, 2025 North Jersey Tailgate Hamfest, Landing Park Recreation Complex, 165 Landing Road, Landing, NJ. **www.splitrockara.org**

**October 07 - 11, 2025 :** Antique Wireless Association, 2025 Annual AWA Conference, RIT Inn and Conference Center, 5257 West Henrietta Road, Henrietta, NY. **www.antiquewireless.org**

**October 11, 2025 :** St. Mary's County Amateur Radio Association, SMCARA 2025 Tailgate Fest, Hollywood Volunteer Fire Department, 24801 Three Notch Road, Hollywood, MD. **www.smcarc.org**

**October 11, 2025 :** Bergen Amateur Radio Association, BARA Fall Hamfest, Westwood Regional High School, 701 Ridgewood Road, Township of Washington, NJ. **www.bara.org**

**October 19, 2025 :** RF Hill Amateur Radio Club, Hamfest 2.0, Upper County Campus of the Bucks County Community College, 346 Blooming Glen Road, Perkasie, PA. **www.rfhillarc.club**

**New outlets installed in the Clubhouse main meeting room table by Frank Romeo N3PUU**

**Full Harvest Moon : Sunday, October 6, 2025 @ 2347 Hours**

**The Harvest Moon relates to the timing of the autumnal equinox, so it changes each year. In 2025, look for the brilliant Harvest Moon from October 5 to 7. In 2025, the brilliant Full Harvest Moon is on Monday, October 6, reaching full illumination at 11:47 P.M. It will appear full for three days, including the prior night of October 5 and the following night of October 7.**

**Old Farmer's Almanac - www.almanac.com**

# *The Education Connection*

**By Chris Prioli AD2CS - chris@ad2cs.com**
**www.ad2cs.com**

## October 2025

Well, the time for any license exam preparation classes for this semester - the Fall 2025 semester - has come and gone without receiving sufficient registrants to merit running the classes this time around. As a result, the Clubhouse will be dark most evenings this Fall, and I will get a much-needed rest. This gives me time to revamp my training packages a bit, and to update a bit more. You see, by the end of the (hopefully) upcoming Spring 2026 semester, it will be time once again to update the Element 2 course to reflect the soon to be announced 2026-2030 question pool.

Of course, any individuals who have submitted registrations for the Fall 2025 session can rest assured that their registrations will be kept on file and will be added into the registrant pool for the Spring 2026 session. But that brings up an interesting point. I have had texts and emails as well as conversational input from specific individuals who stated that they wanted to take a class, but who also never completed a registration form… which means that I don't have anything to keep on file for them. So… if you are one of those folks who had wanted to take a class this Fall and was disappointed that there are no classes to attend this time, PLEASE complete a registration form and get it in to me so that I can use it for planning.

Speaking of registration forms… we will very soon be releasing a new registration system for the license classes that will simplify the process for all involved, including the ability to pay at the same time that you register for the class. Keep your eyes open for an announcement of the new registration system. Once the new system is released, I will reach out to those for whom I have a previous registration on file to re-submit on the new form, just to keep everything together in the new system. This is probably a good time to do this, as we do have a break in the class routine right now.

I know that we must have some members who are interested in upgrading their General-level tickets to the Amateur Extra level… so where are you all? There is no better opportunity to learn the material than to take our classes - just ask any of the Extra-level members who have been through the class. I am confident that most if not all of those folks would tell you that the class is quite beneficial, and that it is well worth taking the class if you want the upgrade.

Similarly, we must have a few of our newer Technicians out there who would like to upgrade to the General level. Your next opportunity to do so will be the Spring session in April of 2026. Just think of all the new bands that a General ticket will open up for you! You will finally be able to play around with 40-meter FT-8, or to get on the 40-meter nets, or any one of several other great opportunities that would suddenly be open to you. What's that saying? JUST DO IT!

If anyone wants to get a registration on file now, registrations can be completed on the Club website. Just point your browser to : **https://gloucestercountyarc.weebly.com/license-classes.html**.

Moving along… I am looking for our next group build project idea. If you have an idea for a project that would be suitable - and practical - for our Club to take on, send it along to me so that I can kick it around with Jon and the BOD.

**That's it for now… See you next month!**

| GCARC VE Team : 2025 License Exam Monthly Summary | | | | | | |
|---|---|---|---|---|---|---|
| | Technician Class | | General Class | | Amateur Extra Class | |
| | Monthly | YTD | Monthly | YTD | Monthly | YTD |
| January | 0 | 0 | 0 | 0 | 0 | 0 |
| February | 2 | 2 | 0 | 0 | 1 | 1 |
| March | 1 | 3 | 2 | 2 | 0 | 1 |
| April | 0 | 3 | 0 | 2 | 1 | 2 |
| May | 1 | 4 | 1 | 3 | 1 | 3 |
| June | 4 | 8 | 3 | 6 | 0 | 3 |
| July | 3 | 11 | 1 | 7 | 0 | 3 |
| August | 4 | 15 | 2 | 9 | 0 | 3 |
| September | 4 | 19 | 4 | 13 | 0 | 3 |
| October | | | | | | |
| November | | | | | | |
| December | | | | | | |

## New ZOOM Guidelines For General Membership Meetings

To enhance the experience for everyone attending the General Membership Meeting, whether in person or via Zoom, the Board of Directors has established some guidelines for Zoom participants. These guidelines are designed to ensure that everyone can focus on the meeting while also allowing Zoom participants to interact before the meeting starts.

**Here are the guidelines:**

- **Before the Meeting :**
  - Zoom participants are welcome to keep their cameras and microphones on to chat among themselves before the meeting begins. During this time, the Zoom audio will not be broadcast to the general audience, and local audio will not be connected to the Zoom meeting.
- **During the Meeting :**
  - Just before the Pledge of Allegiance, a reminder will be posted for Zoom participants to mute their microphones and turn off their cameras. This ensures that all Zoom participants will see the meeting camera instead of another Zoom participant's camera. Participants in the room never see the cameras of the Zoom participants.
  - Zoom participants can use the ***"Raise Your Hand"*** button to ask questions or make comments at appropriate times during the meeting. The Zoom operator will notify the moderator, who will recognize the comment or question at the right time.
- **After the Business Meeting :**
  - The Zoom audio will be muted immediately after the business meeting concludes to prevent any disruptions to the in-person audience from the PA speakers.

Please adhere to these guidelines to ensure a smooth and enjoyable meeting experience for everyone. Following these protocols will help us maintain an inclusive and focused environment for both in-person and remote attendees. Thank you for your cooperation!

## Tuesday AfterNoon Net @ 1200 Hours

## 147.180 MHz (+) (131.8) Repeater & EchoLink W2MMD-R

### Here is the schedule for the upcoming weeks

**Greg Ciraula K3GC : October 7, 2025**
**Steve Farney W2SEF : October 14, 2025**
**Rich Subers W2RHS : October 21, 2025**
**Jeff Garth WB2ZBN : October 28, 2025**

**Greg Ciraula K3GC : November 4, 2025**
**Steve Farney W2SEF : November 11, 2025**
**Rich Subers W2RHS : November 18, 2025**
**Jeff Garth WB2ZBN : November 25, 2025**

**Greg Ciraula K3GC : December 2, 2025**
**Steve Farney W2SEF : December 9, 2025**
**Rich Subers W2RHS : December 16, 2025**
**Jeff Garth WB2ZBN : December 23, 2025**
**Steve Farney W2SEF : December 30, 2025**

**If you would like to be a Net Control Station for this net, please contact Steve Farney W2SEF**

## Monday & Thursday Night 40 Meter Net @ 1930 Hours
## 7.170 MHz (Plus or Minus 5 to 10 kHz )
## NCS : Jim Clark KA2OSV

***"The big thing about being in a club and being a "Ham" is to help each other when there is a need "***
***- W2SEF***

## Thursday Night Rag Chew Net @ 2000 Hours

## 147.180 MHz (+) (131.8) Repeater & EchoLink W2MMD-R

### Here is the schedule for the upcoming weeks

**Jeff Garth WB2ZBN : October 2, 2025**
**Mary Delemarre W2TDS : October 9, 2025**
**Gary Mirkin WA3SVW : October 16, 2025**
**Steve Farney W2SEF : October 23, 2025**
**Jeff Garth WB2ZBN : October 30, 2025**

**Jeff Garth WB2ZBN : November 6, 2025**
**Mary Delemarre W2TDS : November 13, 2025**
**Gary Mirkin WA3SVW : November 20, 2025**
***Happy Thanksgiving : November 27, 2025***

**Jeff Garth WB2ZBN : December 4, 2025**
**Mary Delemarre W2TDS : December 11, 2025**
**Gary Mirkin WA3SVW : December 18, 2025**
***Merry Christmas : December 25, 2025***

**If you would like to be a Net Control Station for this net, please contact Jeff Garth WB2ZBN**

## Gloucester County Skywarn Net

**The Gloucester County Skywarn Net is held every Sunday @ 1930 Hours on the 147.180 MHz (+) (131.8) Repeater & EchoLink W2MMD-R**

**All Are Welcome To Participate**
**Net Control Stations :**
**Charlie Wahl KC2STO ; Steve Broomhead KB2RTZ; & Jeff Garth WB2ZBN**

## Gloucester County ARES Net

**The Gloucester County ARES Net is held every Sunday @ 2000 Hours on the 147.180 MHz (+) (131.8) Repeater & EchoLink W2MMD-R**

**All are welcome to participate**

**Net Control Stations :**

**Steve Farney W2SEF; Bob Keogh KD2NEC; Karl Frank W2KBF; Al Arrison KB2AYU; Gary Mirkin WA3SVW; Greg Ciraula K3GC; & Todd Woodward KD2ESH**

**Greg Ciraula K3GC : October 5, 2025**
**Todd Woodward KD2ESH : October 12, 2025**
**Bob Keogh KD2NEC : October 19, 2025**
**Steve Farney W2SEF : October 26, 2025**

**Todd Woodward KD2ESH : November 2, 2025**
**Karl Frank W2KBF : November 9, 2025**
**Al Arrison KB2AYU : November 16, 2025**
**Greg Ciraula K3GC : November 22, 2025**
**Gary Mirkin WA3SVW : November 30, 2025**

**Greg Ciraula K3GC : December 7, 2025**
**Todd Woodward KD2ESH : December 14, 2025**
**Karl Frank W2KBF : December 21, 2025**
**Steve Farney W2SEF : December 28, 2025**

**Anyone who is interested in joining the Gloucester County ARES Team, is invited to contact Bob Keogh at KD2NEC @ QSL.NET**

## Current Website Updates : Go to this page to find out the latest changes & updates on our W2MMD Website

**https://gloucestercountyarc.weebly.com/current-website-updates.html**

## ARRL Learning Center

**https://learn.arrl.org**

**Discover how to make Amateur Radio your own.**

**Online courses from the ARRL Learning Center provide ARRL members with additional instruction and training for getting on the air, emergency communications, and electronics and technology**

# *At The Repair Bench…*

***A monthly column describing a recent repair bench event.***

**By Chris Prioli AD2CS - chris@ad2cs.com - www.ad2cs.com**

## MFJ-949E Deluxe Versa Tuner II- October 2025

As much as we try to prepare everything in advance for Field Day, it seems as if it is inevitable that ***something*** just has to go wrong. It is for exactly this reason that I bring out much more equipment than that which is strictly needed, but my concept is that I want to be prepared. Being prepared, in this case, means having equipment redundancies that will allow the rapid substitution of one piece of equipment for another that may be operating at some sub-par level. This is ***exactly*** what happened at Field Day 2025, where I was serving as band chair for the 20-meter phone team.

I had brought both automatic and manual antenna tuners for both of my radios, the Icom IC-718 and the Icom IC-746 PRO. The initial setup with which we would face the start of the event was settled on as being the IC-718 radio, connecting through the MFJ-949 antenna tuner. The MFJ-949 was chosen simply because of its larger cross-needle SWR meter on its front panel. The trouble started almost immediately after we connected the MFJ-949 into the circuit.

As we went to tune the radio/antenna combination, team member ***Lee Hafele WA2LH*** noted that the SWR indication was jumping around repeatedly but quite erratically as he attempted to tune the system. At the time, I simply put the MFJ-949 aside, swapped in my MFJ-941 in its place, and enjoyed the rest of Field Day. Now, a bit more than a week after Field Day, I got around to checking out the MFJ-949, so as to see why it was displaying SWR variations.

I had noted that the inductor selector switch felt rather ***"mushy"*** when operated, and since that was what we were adjusting when we noticed the SWR excursions, I decided to start there. Of course, apart from the fact that the switch was loose in its mounting and the knob was incorrectly indexed, the switch itself was OK. I secured the switch properly in the front panel. As to the mis-indexed switch knob, that was a simple matter of placing the switch in its ***"A"*** position (selecting the highest tap on the coil) and then installing the knob with its pointer aligned with that ***"A"*** position marking on the front panel.

In a similar manner, both of the tuning capacitors were loosely mounted to the front panel. This was less noticeable because the capacitors do not have detents as the inductor switch has, but it was an annoyance nonetheless. I corrected that problem by once again tightening the securing shaft nuts - one on each capacitor - and then properly indexing the knobs to the front panel markings.

OK - I found a couple of minor issues and corrected them, but they were not causal to the problem at hand. I decided to perform an in-depth physical examination of the unit. I began by focusing on the signal path.

***At The Repair Bench - Continued on page 19***

*At The Repair Bench - Continued from page 18*

The MFJ-949 was marketed as a ***"Deluxe Versa Tuner II"*** and the unit tries hard to live up to the hype. It has a large cross-needle SWR/Power meter on the front panel, with switched meter illumination available when a 13.8VDC supply is connected to the power jack on the rear panel. The meter is selectable to either a 30W or a 300W value range, and it is also able to switch between average ***("AVG")*** or peak ***("PEAK")*** power displayed on the meter.

The front panel function switch provides for four separate outputs, all of which are available via either the ***"TUNED"*** or the ***"BYPASS"*** operational mode. The four outputs on each mode are as follows :

- COAX 2
- COAX 1
- BAL WIRE LINE
- DUMMY LOAD

**Figure 2 : Loose Connector Indication**

One of the deluxe features in this antenna tuner is the fact that it has an internally-mounted dummy load. As a result, there is no ***Dummy Load*** connector on the rear panel. In point of fact, the rear panel is remarkable for its simplicity, In addition to the three SO-239 connectors labeled ***COAX 1***, ***COAX 2***, and ***TRANSMITTER***, there are three binding posts for the balanced wire antenna connection, a DC power socket for the meter illumination power source, and a ground terminal. In keeping with the clean appearance of the rear panel, each of the SO-239 connector sockets is secured to the panel by two aluminum pop rivets. **See Figure 2.**

My deep-dive into the physicality of the MFJ-949 turned up the cause of the SWR excursions. The GCARC Club member and the individual who was working with me to match the radio and antenna via the MFJ-949 said at the time that the unit was behaving as if there was a loose connection. In a sense, he was exactly correct in his initial assessment. It turns out that two of the three SO-239 connectors were actually loose on the rear panel.

**Figure 3 : Factory Stamping Of Rear Panel**

Despite the fact that the sockets themselves are of the four-hole flange type, MFJ chose to secure them with, as noted earlier, only two rivets **(Figure 3)**. The SO-239's are mounted from the inside of the unit, so the fact that there are two unused holes on each connector is not immediately evident. However, it is my belief that the choice to secure these connectors with only two rivets is directly causal to the problem that this unit exhibited.

It must be understood that the flange of the SO-239 connector is an integral part of the circuit and must therefore be tight and secure. This is necessary to a) avoid the introduction of unwanted resistance into the circuit, and b) to prevent SWR excursions that result from loose antenna connections.

*At The Repair Bench - Continued on page 20*

*At The Repair Bench - Continued from page 19*

The two connectors that were loose were the ***TRANSMITTER*** and ***COAX 2*** connectors, with the ***TRANSMITTER*** socket being quite loose. This is evident in the **Figure 2** illustration of the mounted SO-239, where black aluminum oxide marks are visible around the rivets. This looseness of the connectors was sufficient to interrupt the ground path through the connector shell and into the chassis of the MFJ-949. It is this interruption of the ground path that caused the intermittent fluctuation of the SWR indication.

You may be wondering at this point, why was the connector moving around? If the cable was tightened to the connector, and the antenna tuner was sitting firmly on the table, why should the connector shell move at all? The answer to that question has to do with the looseness of the inductor and capacitor controls on the front panel, but especially with the inductor switch. Because of the loose mounting of the switch, any manipulation of the inductor switch also caused movement of the entire unit on the table top, which in turn flexed the cable connection at the SO-239, causing movement of the connector on the chassis.

**Figure 4 : Remounted SO-239 Jacks**

The obvious solution to this problem was to drill out the rivets and replace them with machine screws and ***KEPS nuts***. However, I did not stop there. I also drilled the remaining mounting hole positions and installed machine screws there as well **(Figure 4)**. It is my firm belief that, had the SO-239 connectors been mounted with four fasteners instead of the two that were used, it would probably have held better over time. I see the use of only two fasteners as a purely financial decision, and I see the use of rivets instead of threaded fasteners as a similar financially-motivated choice.

By the way, for those who may not be familiar with the term, a ***KEPS nut*** is basically a standard hex nut with a captive but rotatable externally-toothed lock washer attached. The use of these nuts simplifies the assembly process and reduces the parts piece count.

Granted - there may have been some concern about the heads of screws interfering with the connection of standard PL-259 coaxial connectors to the SO-239 sockets, but that fear is groundless, as I have learned clearly through my repairs to this unit. I used machine screws with standard pan heads, and the PL-259 shells fit perfectly despite the presence of the screw heads.

Testing of the MFJ-949 after the repairs showed that the problem was gone. Thus, the repair was completely successful and the antenna tuner is now back in fully-operational condition. This is a problem that will most likely affect ***any*** antenna tuner with riveted connectors, and most especially those with only two fasteners per jack. It is an easy fix, but it makes a great difference in the performance of the tuner.

The lesson to be learned from this repair is that the manufacturers may not always have the utmost in longevity designed into the construction of their products, and that we can sometimes improve upon what the manufacturers give us.

# Amateur Radio Emergency Services - October 2025 Resources - News - Updates

**By Bob Keogh KD2NEC - kd2nec@qsl.net**
**Gloucester County Emergency Coordinator**

**ARRL Simulated Emergency Test (SET) Will Be Held On Sunday, October 26, 2025**

The Details Will Be Provided ASAP

**2025 Simulated Emergency Test Guidelines. This is a brief description of the ARRL 2025 SET**

The full guideline description can be found on the ARRL website :
**https://www.arrl.org/simulated-emergency-test**

ARRL's Simulated Emergency Test (SET) is the chance to test your personal emergency-operating skills and the readiness of your communications equipment and accessories in a simulated emergency-like deployment.

ARRL Field Organization Leaders at the section and local levels, and many other volunteers that are active in public service and emergency communications, are developing simulated emergency-like scenarios in consultation with a variety of agencies and organizations for whom Radio Amateurs are known to provide service during emergencies.

Please remember that station readiness and personal training and practice are tenets of the Amateur Radio Service. Any time we spend on the air will contribute to developing and practicing our personal Radio communication capability.

The ARRL's Amateur Radio Emergency Service ® (ARES®), the National Traffic System (NTS), the Radio Amateur Civil Emergency Service (RACES), SKYWARN ™, Community Emergency Response Team (CERT), Salvation Army Team Emergency Radio Network (SATERN), and other allied groups and public-service oriented Radio Amateurs are among those who are eligible to participate in the simulated exercise and to practice emergency operation plans, nets and procedures.

For the 2025 Simulated Emergency Test, there will be bonus points for cooperation with Army MARS stations and sharing information between MARS and Amateur Radio stations. Please refer to the reporting form to calculate the bonus points.

## Establishing Relationships

The ARRL has longstanding relationships with several national organizations including the American Red Cross, the National Weather Service, the Federal Emergency Management Agency, and the Salvation Army (among several others). More information on these and other national served agencies may be found at **www.arrl.org/served-agencies-and-partners**.

Let this year's ARRL Simulated Emergency Test be a chance to reach out to these partners to establish or review plans and develop working relationships.

***SNJ Section ARES Update - Continued on page 22***

*SNJ Section ARES Update - Continued from page 21*

## National Preparedness Month

National Preparedness Month is in September. This is a nationwide effort to encourage everyone to take steps to prepare for emergencies in their homes, workplaces, schools and communities. The U.S. Department of Homeland Security works with a wide variety of organizations to highlight the importance of emergency preparedness and to promote individual involvement through events and activities across the nation. We encourage you to consider this year's Simulated Emergency Test (and all preparations for it) as a demonstration of Amateur Radio's readiness. More information on National Preparedness Month is found at **www.ready.gov**.

## SET To Go!

In consideration of local and section wide schedules and relationships with partners, agencies and many others, ARRL Field Organization Leaders have the option of conducting their local or section wide SET at another time besides the focal-point weekend of October 4 and 5, 2025. SETs should be conducted no later than the end of the fall season or the calendar year. Check with your local **Gloucester County Emergency Coordinator Bob Keogh (KD2NEC@QSL.NET)** for the exact date.

## Purpose Of SET

1. To find out the strengths and weaknesses of and other groups in providing emergency communications.
2. To provide a demonstration - to served and partner agencies such as the American Red Cross, the emergency management agency and through the news media - of the value to the public that Amateur Radio provides, particularly in time of need.
3. To help Radio Amateurs gain experience in communications using standard procedures and a variety of modes under simulated-emergency conditions.

GOLIATHON

**Goliathon Obstacle Challenge**
**October 04, 2025**
**Gloucester County 4-H Fairgrounds**

**More information can be found at :**
**https://www.goliathon.com**

## WSJT-X 3.0.0-rc1 Now Available

The WSJT-X development team has announced that **Release Candidate WSJT-X 3.0.0-rc1** is available for download. Candidate releases are intended for users interested in testing the new features and willing to provide feedback to the developers. If you download and use WSJT-X 3.0.0-rc1, please provide the developers with feedback on the new features and on anything that does not seem to work properly.

A full list of enhancements can be found in the release notes at : **https://wsjt.sourceforge.io/Release_Notes.txt**. Direct links for downloading installation packages for Windows, Linux, and macOS can be found on the WSJT-X web page : **https://wsjt.sourceforge.io/wsjtx.html**.

# Club Member DMR IDs

| Club Member | DMR ID |
|---|---|
| **W2MMD Clubhouse** | **3198604** |
| Michael Andrescavage N2ICV | 3134044 |
| Lance Appel KE2UC | 3200487 |
| Joshua Boylan KE2FSC | 3216140 |
| Steven Broomhead KB2RTZ | 3218247 |
| Alex Calabrese WA2ADS | 3100583 |
| Chuck Capasso WB2PGE | 3169781 |
| Matthew Carango N3QB | 3169432 |
| Todd Cecilio KA2YNT | 3169458 |
| Anthony Cerami N2OAC | 3202759 |
| Mark Clark N3QMJ | 3102110 |
| Norm Coltri K2NRC | 3183851 |
| Holden Correia-Fisher KD2JPV | 3104911 |
| Mike Covaleski N2MMC | 3134855 |
| Walter Coward WX2E | 3166863 |
| Bob Demola KD2GFL | 3134319 |
| Doug Dersch KD2VQA | 3193630 |
| Thomas Distelcamp Sr KC2GYC | 3110869 |
| Glenn Dougherty N2YIO | 3161836 |
| Adam Duncan W3DUN | 3202691 |
| Herb Dyer KT2Y | 3134907 |
| Harry Elwell AD5TT | 3128498 |
| Misael Fernandez Jr KE2EBL | 3214756 |
| James Foster W3JNF | 3142117 |
| Karl Frank W2KBF | 3146716 |
| Glen Guenther KE2BUO | 3202079 |
| Melissa Guenther KE2BWZ | 3202496 |
| Deirdre Anne Hebert AD2GQ (AB1ST) | 3133330 |
| Gary Hewitt N2WHV | 3134654 |
| Chuck Lanard KD2EIB | 3134298 |

| Club Member | DMR ID |
|---|---|
| Darren Malone KD2ALQ | 3215227 |
| Gary Mirkin WA3SVW | 3165494 |
| John Murrow KD2NHK | 1134122 |
| John Newman WB4YLM | 3213273 |
| Phil Nunzio WA3RGY | 3134336 |
| John O'Connell K2QA | 3110610 |
| Robert Pantazes W2ARP | 3157208 |
| Sheldon Parker K2MEN | 3214037 |
| Jonathan Pearce WB2MNF | 3163415 |
| Michael Pecorini K2MRP | 3132996 |
| Michael Pentimall KC3VTF | 3203601 |
| John Price III KD2QYC | 3123583 |
| Chris Prioli AD2CS | 3195449 |
| Michael Resnick N2WOQ | 3215856 |
| Frank Romeo N3PUU | 3134935 |
| Len Rust III W2LJR | 3186225 |
| Len Rust IV K2LJR | 3196243 |
| Dave Sheppard W2PAX | 3112666 |
| Cory Sickles WA3UVV | 1142052 |
| James Simeone KC2AOF | 3134848 |
| Stan Slachetka WA2JRZ | 3213904 |
| Court Smith KD2SPJ | 3186243 |
| Jackson Snyder AI2D | 3164371 |
| Rich Subers W2RHS | 3204316 |
| Brett Waller K2BKW (KC2UXQ) | 3134261 |
| Matt Wilson K2MFW | 3134607 |
| Bill Wood KD2OSJ | 3197459 |
| Jim Wright N2GXJ | 3215168 |
| John Zaruba Jr K2ZA | 3134331 |
| **New Entries As Of 09/20/2025** | |

**For more information, DMR links, and W2LJR's DMR presentations, go to :**
**https://gloucestercountyarc.weebly.com/dmr.html**

## DMR Configuration Sequence

1. **Obtain and Configure DMR ID :**
   - **https://www.radioid.net**
2. **Download Contact List :**
   - **http://www.dmrcontacts.com**
3. **Identify Repeater or Hotspot :**
   - **https://www.repeaterbook.com**
4. **Define Talk Groups**
   - **Numerical ID**
   - **Text Name**

**https://brandmeister.network/?page=talkgroups**

5. **Create Channel**
   - **Select Number**
   - **Assign Name**
   - **Select DMR ID**
   - **Assign Frequency**
     - **Transmit**
     - **Receive**
     - **Bandwidth**
   - **Power**
   - **DMR Mode (Simplex/Repeater)**
   - **TX Permit (Channel Free)**
   - **Assign Talk Group**
   - **Assign Color Code**
     - **Agreed Upon with Other Users**
   - **Assign Time Slot**
   - **Agreed Upon with Other Users**

6. **Create Zone**
7. **Add Channels to Zones**
8. **Configure Features**
9. **Upload Code Plug**
10. **Upload Contact List**

**If you recently changed your callsign, contact idteam@dmr-marc.net to have your DMR ID transferred to your new callsign.**

Not every hero wears a cape.
PLAN and PRACTICE your ESCAPE!™
firepreventionweek.org
SPARKY
Fire Prevention Week : October 5 - 11, 2025

*Club Merchandise from the K2ZA Workshop*
**Contact John Zaruba Jr K2ZA at k2za@icloud.com**
**Go To : https://gloucestercountyarc.weebly.com/club-merchandise.html**

**Gloucester County Amateur Radio Club**
**YouTube Channel**
**https://www.youtube.com/@W2MMD**

## Dave Sheppard W2PAX
## SNJ Section Traffic Manager
## SFL Section Traffic Manager

Many thanks to Ron Fish KX1W for his confidence in appointing me as STM. I am humbled to be able to serve the section where I was born and raised, and where my amateur radio roots are. My grandfather, **Gurdon Cooper** ("Coop" to those who knew him best and Club President 1966) was the original W2PAX. I have fond memories sitting in his shack in Gibbstown while he pounded out CW QSO's, or riding along with him on amateur radio events. I have one particular memory of an absolutely scorching summer day along the Bike-A-Thon route at the Elm fire house.

As Ron notes, the National Traffic System is alive and well, and still relevant in the 21st century. A region or nationwide comms outage is a real possibility whether from power/comms grid failures, or a bad actor. We need to be prepared to handle messages for our neighbors, communities and our served agencies. That could come in the form of health and welfare radiogram traffic, or an ICS-213 packed into radiogram format.

One of the many ways we train for this is to exercise the NTS on a daily basis. Traffic nets and digital stations are running around the globe, around the clock. Routine "blue sky" messages could include birthday greetings, QSO thanks, congratulations on a license achievement, etc. While these messages may seem mundane, they are how we keep our skills and our nets ready to pass traffic during "gray sky" times without hesitation.

The SNJ section hasn't had much of an NTS presence for quite a while. (To be clear : it hasn't been zero, and to those who do their part regularly, we appreciate you!) With help from the entire section, I think we can change that. Here in SFL, all it took was getting some awareness and a little training, and we've had great luck in building interest. I expect the same can happen in SNJ.

Remember it won't happen overnight. Ron and I will begin by having what will likely be more than one meeting/call to plan our approach. Then we'll need to enlist the section as a whole to generate the participation needed.

For now, I am going to ask two things from the section:

### * First

Please take some time to learn about the NTS in general. The ARRL has two websites :

**https://www.arrl.org/nts**
This is where you will find a basic description of the NTS. It also has several resources on the page, including a link to the entire NTS Procedures & Guidelines (if you need bedtime reading, hi hi). You will also find a link for opting into The NTS Letter. This is a monthly newsletter specifically for the NTS. I urge everyone to receive it. NOTE : Do *not* use the net directory. This is not up to date. Updating the net directory was a significant goal prior to the ARRL cyber-attack, but has been pushed back while the League upgrades their IT infrastructure.

**https://nts2.arrl.org**
This is the homepage for the NTS 2.0 working group. The NTS 2.0 group has been working for about two years now to reinvigorate and modernize the NTS. Their work has been exemplary. Please take some time to read over the materials here and learn what the group is doing to keep the NTS relevant. You can also view back issues of The NTS Letter here.

*National Traffic System - Continued on page 26*

*National Traffic System - Continued from page 25*

*** Second**

I would like everyone to send a radiogram to me. In the signature of your radiogram, please include a phone number or email address for return messages to be delivered to.

Sending a radiogram is the first step to getting involved with the NTS. It isn't hard, and there are several ways you can do it :

- If you have access to a traffic net, this should be your primary method of passing traffic. If it's your first time, don't be afraid. Most traffic handlers are more than happy to Elmer a new traffic handler.
- If you don't have access to a traffic net, you can use the radiogram template in Winlink. Fill the template out, and choose "RRI-REGION4" as the liaison at the bottom of the template. (NOTE : My full contact information including phone number are on my QRZ.com page)
- If you can't access a traffic net or use Winlink, you can use the radiogram web portal at https://nts2.arrl.org/radiogram. Once entered, a traffic handler registered with the portal will pick up the message and inject into the NTS by a traffic net or a digital traffic station.

I will reply to ALL radiograms received - by radiogram! Depending how many radiograms I receive and their transit time, it may take a while to reply to them all, so be patient. Remember that during "blue sky" times, routine traffic can take a couple days to work their way through the cycle of nets in the NTS.

Finally, it needs to be noted that an out-of-section appointee is not the ideal situation. We need a candidate to fill the STM position from within the section who is willing to build out an NTS infrastructure (i.e. traffic handlers and local/section nets) and report to ARRLHQ. I hope that at least one of you will feel the same spark that I did when I got involved back in 2016 here in SFL, and eventually want to transition into a leadership role.

We will have more information coming your way, so stay tuned. Until then…keep the traffic moving!!

**2025 Holiday Dinner**

**Wednesday, December 10, 2025**

**6:30 pm To 9:30 pm**

**Lamp Post Diner**

**1378 Little Gloucester Road**

**Clementon, NJ 08021**

**Menu & Cost To Be Announced Later**

# 2024-2028 Element 4 Amateur Extra Class License Question Quiz

This month we continue with Subelement E4 Amateur Practices (5 exam questions - 5 groups).
(Answers on Last Page)

**E4B01**
**Which of the following factors most affects the accuracy of a frequency counter?**
A. Input attenuator accuracy
B. Time base accuracy
C. Decade divider accuracy
D. Temperature coefficient of the logic

**E4B02**
**What is the significance of voltmeter sensitivity expressed in ohms per volt?**
A. The full scale reading of the voltmeter multiplied by its ohms per volt rating is the input impedance of the voltmeter
B. The reading in volts multiplied by the ohms per volt rating will determine the power drawn by the device under test
C. The reading in ohms divided by the ohms per volt rating will determine the voltage applied to the circuit
D. The full scale reading in amps divided by ohms per volt rating will determine the size of shunt needed

**E4B03**
**Which S parameter is equivalent to forward gain?**
A. S11
B. S12
C. S21
D. S22

**E4B04**
**Which S parameter represents input port return loss or reflection coefficient (equivalent to VSWR)?**
A. S11
B. S12
C. S21
D. S22

**E4B05**
**What three test loads are used to calibrate an RF vector network analyzer?**
A. 50 ohms, 75 ohms, and 90 ohms
B. Short circuit, open circuit, and 50 ohms
C. Short circuit, open circuit, and resonant circuit
D. 50 ohms through 1/8 wavelength, 1/4 wavelength, and 1/2 wavelength of coaxial cable

**E4B06**
**How much power is being absorbed by the load when a directional power meter connected between a transmitter and a terminating load reads 100 watts forward power and 25 watts reflected power?**
A. 100 watts
B. 125 watts
C. 112.5 watts
D. 75 watts

*Element 4 Amateur Extra Class Quiz - Continued on page 28*

*Element 4 Amateur Extra Class Quiz - Continued from page 27*

**E4B07**
**What do the subscripts of S parameters represent?**
A. The port or ports at which measurements are made
B. The relative time between measurements
C. Relative quality of the data
D. Frequency order of the measurements

**E4B08**
**Which of the following can be used to determine the Q of a series-tuned circuit?**
A. The ratio of inductive reactance to capacitive reactance
B. The frequency shift
C. The bandwidth of the circuit's frequency response
D. The resonant frequency of the circuit

**E4B09**
**Which of the following can be measured by a two-port vector network analyzer?**
A. Phase noise
B. Filter frequency response
C. Pulse rise time
D. Forward power

**E4B10**
**Which of the following methods measures intermodulation distortion in an SSB transmitter?**
A. Modulate the transmitter using two RF signals having non-harmonically related frequencies and observe the RF output with a spectrum analyzer
B. Modulate the transmitter using two AF signals having non-harmonically related frequencies and observe the RF output with a spectrum analyzer
C. Modulate the transmitter using two AF signals having harmonically related frequencies and observe the RF output with a peak reading wattmeter
D. Modulate the transmitter using two RF signals having harmonically related frequencies and observe the RF output with a logic analyzer

**E4B11**
**Which of the following can be measured with a vector network analyzer?**
A. Input impedance
B. Output impedance
C. Reflection coefficient
D. All these choices are correct

**W2MMD**

www.facebook.com/W2MMD

twitter.com/w2mmd_gcarc

**Facebook**

**Please distribute this email to your respective club members. You do not have to be an ARRL member to send your letters.**

**Ron Fish KX1W**
**ARRL Southern New Jersey Section Manager**

**YOU CAN HELP US CHANGE THE LEGAL RIGHTS OF AMERICAN HAMS**

The ARRL is focused on reducing legal restraints on the ability of American Amateur Radio Operators to engage in the active practice and enjoyment of Amateur Radio.

One of the most insidious and increasing threats to the survival of Amateur Radio and our ability to serve our communities and Nation, as we are required to do by Federal regulation, is the proliferation of private land use restrictions that prohibit the installation of outdoor antennas and that sometimes actually deny Federally licensed Amateurs from operating any amateur radios, regardless of where their antennas are located - in their attics, hidden in trees, or mounted on their vehicles.

Federal law - since 1996 - has guaranteed to every American - except Amateur Radio Operators - the right to erect antennas outside or on their residences for the purpose of TV reception, satellite TV and internet access, wireless internet access, and even wireless internet redistribution. But Amateur Radio operators are denied the equal right to erect comparable antennas.

Since 2005, Federal law has also guaranteed to every American the right to proudly display the American Flag by installing flag poles in their yards. But, despite that right to install vertical poles in their yards - American Radio Amateurs are denied the right to use those vertical flag poles as vertical antennas.

We believe the denial - to licensed Amateur Radio Operators - of the rights guaranteed to all non-Amateur Radio licensed American homeowners - the right to install antennas on the land they own - is without justification and should not be permitted to continue.

To eliminate these private land use restrictions, the ARRL has worked over the past several years with our elected officials to draft Congressional legislation - H.R. 1094 in the U.S. House of Representatives and S. 459 in the U.S. Senate - that, when passed will extend to all Hams the right to operate from their homes and the right to install antennas on the land they own. We have bipartisan support for this legislation.

**BUT, WE NEED YOUR HELP TO PASS THIS LEGISLATION!!!**

How can you help? By sending a letter to your Representative and Senators asking that they co-sponsor and support H.R. 1094 and S. 459.

How can you send these letters? It is easy.

Go to : **https://send-a-letter.org/hoa** , enter your call sign and click on “Send My Letters” and your letters will be delivered to our Washington legislative team for hand delivery to your Representative and Senators.

Does your individual letter matter? YES.

Your Representative and Senators need to know that the passage of this legislation is important to you.

***Ham Radio Congressional Legislation - Continued on page 30***

*Ham Radio Congressional Legislation - Continued from page 29*

Your letter could be the difference in whether we are able to pass H.R. 1094 and S. 459.

Go to : **https://send-a-letter.org/hoa** , or use the QR Code and help us by sending your letters to your Representative and Senators.

# 17th Annual 13 Colonies Special Event

**JULY 1ST - 7TH 2025**

**K2A/NY**
**K2B/VA**
**K2C/RI**
**K2D/CT**
**K2E/DE**
**K2F/MD**
**K2G/GA**

**K2H/MA**
**K2I/NJ**
**K2J/NC**
**K2K/NH**
**K2L/SC**
**K2M/PA**

QSL GB13COL

LIBERTY TREE

AN APPEAL TO GOD

QSL TM13COL

**1776**

**THIS CERTIFICATE CERTIFIES THAT ARS: W2SEF HAS PARTICIPATED IN THIS ON - AIR AMATEUR RADIO EVENT HONORING THE ORIGINAL THIRTEEN COLONY STATES, OUR INDEPENDENCE, & OUR ACTIVE MILITARY / VETERANS.**

**THIS YEAR'S EVENT HONORS KEN VILLONE (KU2US), WHO CREATED THE 13 COLONIES SPECIAL EVENT IN 2009**

CLEAN SWEEP

ALL DIGITAL

KU2US
Event Manager 2009 - 2024

WM3PEN

13 CONTACTS

## ARES Resources (Updated as of November 2024)

**ARRL ARES Registration Form : https://bit.ly/3Ae2pCf**
**Download the ARES Manual [PDF] : https://bit.ly/3iUhJLQ**
**ARES Field Resources Manual [PDF] : https://bit.ly/3QT4PtY**
**ARES Standardized Training Plan Task Book July 2024 Ver. 3.0 [Fillable PDF] : https://bit.ly/4dToEes**
**ARES Standardized Training Plan Task Book July 2024 [Word] : https://bit.ly/4heLXSU**
**ARRL ARES Plan July 2024 : https://bit.ly/3Uf8gyf**
**ARES Group Registration : http://bit.ly/3XodGpX**
**ARRL Emergency Communications Training : http://bit.ly/3J2gMMf**
**FEMA 2023 National Preparedness Report : https://bit.ly/3YrPWnY**
**Southern New Jersey Section Emergency Operations Plan 2023.PDF : https://bit.ly/3YqMdHb**
**ARRL ARES Monthly Newsletters : https://bit.ly/408OV5d**

**The Amateur Radio Emergency Service® (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes. Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible to apply for membership in ARES. Training may be required or desired to participate fully in ARES. Please inquire at the local level for specific information. Because ARES is an amateur radio program, only licensed radio amateurs are eligible for membership. The possession of emergency-powered equipment is desirable but is not a requirement for membership.**

**If you are interested in learning more about the Gloucester County ARES Program or becoming an ARES member, please contact Bob Keogh (KD2NEC@QSL.NET)**

## Gloucester County Amateur Radio Club Elmers

**We are always looking for some Club Elmers. If you would to add your name to the Elmer's List, send your specialty to w2mmdgcarc@gmail.com. Here is what we have so far :**

- **Tony Starr K3TS : Antenna Construction; Contesting; CW Help and Training**
- **Ken Bozarth KN2U : Antennas**
- **Karl Frank W2KBF : Digital Messaging (FLDIGI, WinLink)**
- **Lenny Rust W2LJR : DMR Radios & Programming; VOIP; POTA; 3-D Printing**
- **Ron Block NR2B : Lightning Protection & Grounding**
- **Chris Prioli AD2CS : Kit Building; Antenna Building; Radio Programming; PC and Electronic Troubleshooting; Ham Radio Licensing & Studying; Local & Remote W2MMD HF Station Operation; Training & Support**
- **John Zaruba Jr K2ZA : Yaesu System Fusion Radio Programming; POTA; SOTA; CW Learning & Operating; 3-D Printing**
- **Jerry Barnish K2EAB : Radio Astronomy**
- **Mike Thompson KG4JYA : Radio Astronomy; VARA (HF and FM); WinLink**
- **Steve Farney W2SEF : WSJT-X; FT-8; LoTW; TQSL; Grid Square**
- **Gary Mirkin WA3SVW : FLDIGI; MMSSTV**
- **Jon Pearce WB2MNF : Satellite Communications; DMR; GD77; WPSD**
- **Frank Romeo N3PUU : Construction; Plumbing; Electrical; Fabrication; Jack-Of-All Trades**
- **Rich Subers W2RHS : 3-D Printing**
- **Dave Sheppard W2PAX : National Traffic System**
- **Bob Pantazes W2ARP : How To Properly Manage QSL Cards**

# 2025 HamFest Seminar Highlights
# Jim Wright N2GXJ : Your Antenna Performance In 3D

Nulls appear as height increases
0.5 WL
1.5 WL
• Gain at low elevation angles can be increased by raising the antenna
• But comes with a trade-off; nulls start getting added at other elevations
• Antenna higher may not always be better. Surprised? ... Do you care?

## 2025 HamFest Seminar Highlights
## Robert Famiglio K3RF ARRL Atlantic Division Director
## Ron Fish KX1W ARRL Southern New Jersey Section Manager
## Annual Summary of the ARRL Activities & a Discussion of the Current Issues

## 2025 HamFest Seminar Highlights
## Angela Metzger KE2DRJ, ARRL SNJ Section Youth Coordinator
## STEM, Kids, & Ham Radio

# From The Help Desk - October 2025

**By Chris Prioli AD2CS - chris@ad2cs.com - www.ad2cs.com**

***Note : This is the second in an ongoing series of related articles that will each take a look at some facet of radio selection, installation, or operation as suggested by actual questions received from Club members or other amateur operators.***

**Q : How can the length of a coil of wire be measured using the NanoVNA?**

**A :** Not just any coil or length of cable can be measured in this fashion. The cable under test ***must*** have at least two conductors, such as a length of coaxial cable, or window line, or even Cat-5 LAN cable with its four twisted pairs inside the jacket. The measurement test methodology utilizes a scheme known as ***time domain reflectometry*** or ***TDR***. In this test, a relatively low-frequency signal is placed onto the cable under test, where it travels down the cable to the opposite end and is then reflected back toward the source. The time that it takes to make the round trip to the opposite end of the cable is then used, together with the cable's ***velocity factor (VF)***, to calculate the length of the cable. The TDR function utilizes the NanoVNA's ***TRANSFORM*** function to support its calculations.

| Dielectric Material | Velocity Factor (%) |
|---|---|
| Solid Polyethylene (PE) | 65.9 |
| Foam Polyethylene (FE) | 80.0 |
| Foam Polystyrene (FS) | 91.0 |
| Air Space Polyethylene (ASP) | 84-88 |
| Solid Teflon® (ST) | 69.4 |
| Air Space Teflon® (AST) | 85-90 |

***Table 1 : VF's Of Typical Dielectric Materials***

Velocity factor is a rating, expressed as a percentage of the speed of light, at which an RF signal will travel within a cable of a given type. The increased molecular density of the cable causes the RF signal to be slowed down in the cable as compared to the speed of light in free space. However, it is actually the material of the dielectric used in the cable construction that has the greatest effect upon the velocity factor of that cable type. **Table 1** above provides VF's for many typical dielectric materials used in cable construction while **Table 2,** on the next page, list the VF's for several common cable types.

The specific velocity factor of the cable to be tested must be known in order to properly calculate the length of that cable via NanoVNA TDR measurement. If you cannot identify the specific cable or cable type and do not have a datasheet for the cable, find the most similar cable in **Table 2** and use that VF value. If that is not possible, then just use the **Table 1** VF value for the dielectric material used in the cable to be tested.

Before we can make the measurement, we have to do some basic mathematics. The math is used to determine a suitable STOP frequency for the RF sweep that will be used for the test; the sweep START frequency is generally set at 50kHz.

The STOP frequency chosen will determine the maximum distance range and resolution for the test being made. The higher the STOP frequency is, the shorter the total distance capability will be, while a lower STOP frequency will provide for a longer total distance measurement capability.

***From The Help Desk - Continued on page 36***

*From The Help Desk - Continued from page 35*

| Cable Type | VF % | Comments |
|---|---|---|
| Cat-3 | 58.5 | twisted pair 10BASE-T network cable |
| Cat-5e | 614.0 | twisted pair 100BASE-TX, 10000BASE-T network cable |
| Cat-6A | 65.0 | twisted pair 10GBASE-T |
| Cat-7 | 74-79 | twisted pair |
| OWL | 95-99 | ladder line 600-ohm air-insulated |
| Window Line | 91.5 | Wiremen 551 450-ohm |
| Twin-lead | 80.0 | Belden 9085 300-ohm |
| RG-6 | 83.0 | Belden 1189A |
| RG-6/U PE | 66.0 | Belden 8215 polyethylene dielectric |
| RG-6/U FOAM | 81.0 | Belden 9290 foam dielectric |
| RG-8 | 84.0 | Belden 9913 / Belden 9086 |
| RG-8 | 86.0 | Belden 7810A gas-injected high-density polyethylene (HDPE) foam |
| RG-8 | 82.0 | Wireman CQ106 |
| RG-8A/U PE | 66.0 | Belden 8237 polyethylene dielectric |
| RG-8A/U FOAM | 78.0 | Belden 8214 foam dielectric |
| RG-8/U | 84.0 | Belden 9913 10BASE2 generic network cable, foamed polyethylene |
| RG-8X | 82.0 | Belden 9258 foamed polyethylene dielectric |
| RG-11 | 83.0 | Belden 1523A |
| RG-11 FOAM | 78.0 | Belden 8213 foam dielectric |
| RG-11A | 66.0 | Belden 8261 |
| RG-11/U | 84.0 | Belden 9292 high-density polyethylene (HDPE) foam |
| RG-58A/U FOAM | 73.0 | Belden 8219 foam dielectric |
| RG-58A | 66.0 | Belden 8259 |
| RG-58A/U | 65.0 | 10BASE2 generic network cable |
| RG-58A/U PE | 66.0 | Belden 9201 polyethylene dielectric |
| RG-59A/U PE | 66.0 | Belden 8241 polyethylene dielectric |
| RG-59A/U FOAM | 78.0 | Belden 8241F polyethylene foam dielectric |
| RG-59 FOAM | 78.0 | Belden 8212 foam dielectric |
| RG-59B | 66.0 | Belden 8263 |
| RG-62A | 84.0 | Belden 9269 |
| RG-174 PE | 66.0 | Belden 8216 polyethylene dielectric |
| RG-174 FOAM | 73.5 | Belden 7805R foam dielectric |
| RG-213 | 66.0 | Belden 8267 solid polypropylene dielectric |
| RG-218A | 66.0 | formerly RG-17 |
| LMR-200 | 83.0 | Times Microwave RG-58 |
| LMR-240 | 84.0 | Times Microwave RG-8X |
| LMR-240UF | 80.0 | |
| LMR-400 | 85.0 | Times Microwave RG-8 |
| LMR-400UF | 85.0 | |
| LMR-500 | 85.0 | 0.500" diameter |
| LMR-600 | 86.0 | 0.590" diameter |
| LMR-1200 | 88.0 | 1.200" diameter |
| 1/2" hardline | 81.0 | 50Ω |
| 1/2" hardline | 81.0 | 75Ω |
| 7/8" hardline | 81.0 | 50Ω |
| 7/8" hardline | 81.0 | 75Ω |
| FSJ1-50A | 82.0 | |
| LDF4-50A Heliax | 88.0 | 0.500" diameter |
| LDF5-50A Heliax | 89.0 | 0.875" diameter |
| LDF6-50A Heliax | 89.0 | 1.250" diameter |
| HJ8-50B Heliax | 93.0 | 3.00" diameter air dielectric |
| Davis Bury Flex | 82.0 | |
| Twin-Shielded Twisted Pair | 66.0 | Belden 8723 polypropylene insulator |

**Table 2 : VF's Of Common Cable Types**

*From The Help Desk - Continued on page 37*

*From The Help Desk - Continued from page 36*

Although it is not the best choice for a calculation constant, the value 6000 is an easy value to remember and is also an easy value for working out arithmetic results. We will use that value to determine our STOP frequency, dividing 6000 by the estimated maximum length to be measured in meters. The equation to be used is as follows :

$$Frequency_{STOP\ (MHz)} = \frac{6000}{maximum\ length\ in\ meters}$$

where we use 6000 as the dividend and the maximum length in meters as the divisor. For example, if we are anticipating a maximum length that is just under 300 feet, we might choose 100 meters as the divisor, giving us a STOP frequency of 60MHz.

Once the NanoVNA is properly calibrated and configured, we will be able to read the calculated length directly from the NanoVNA display. Before we can begin, however, we must also prepare the cable to be tested for the measurement process. If the cable has a connector installed to at least one end of the cable, we can use that connector to attach the cable to the NanoVNA by way of suitable adapter(s). On the other hand, if the cable is unterminated, it must be prepared by exposing and stripping both conductors of the cable to be tested, so that alligator clips can be attached to those conductors. Then, we would use a suitable adapter that will connect to the NanoVNA and has alligator clips at the opposite end. For example, I have a twelve-inch length of RG174 cable that has a male SMA connector at one end and alligator clips at the other end. Similarly, I have another one, this time of RG-58 cable, that has a male BNC connector at one end and has alligator clips at its opposite end. These adapter cables are suitable for this type of test measurement. Note that is it advisable to use the mated wires of a single twisted pair when making TDR measurements on cables like Cat-5 LAN cable, e.g., the blue and blue/white or the orange and orange/white wire pairs. When measurements are being made on double-shielded coaxial cables, use the center conductor and the inner-most shield layer for the TDR measurement.

Follow the procedure below to make the TDR measurement with your NanoVNA. Note that these steps are specific to the NanoVNA H4 with firmware version 1.2.40 installed. The procedure for other NanoVNA models and firmware versions should be very similar.

## Procedure

1. Go to ***MENU*** > ***DISPLAY*** > ***TRACE*** and turn off all traces except ***TRACE 0***.
2. Go to ***MENU*** > ***DISPLAY*** > ***FORMAT S11 (REFL)*** > and select ***REAL*** or ***LINEAR***.
3. Go to ***MENU*** > ***DISPLAY*** > ***MARKER*** and make sure that only ***MARKER 1*** is selected and active.
4. Go to ***MENU*** > ***STIMULUS*** > ***START*** and set the ***START*** frequency to 50kHz.
5. Go to ***MENU*** > ***STIMULUS*** > ***STOP*** and set the ***STOP*** frequency to the value determined using the simple equation discussed above.
6. Go to ***MENU*** > ***DISPLAY*** > ***TRANSFORM*** and select ***LOW PASS IMPULSE***.
7. Go to ***MENU*** > ***DISPLAY*** > ***TRANSFORM*** and set the ***TRANSFORM*** function to ***ON***.
8. Install (to port S11) any adapters needed to connect the cable to be tested to the NanoVNA.
9. Perform a proper calibration of the NanoVNA at that connection plane.
10. Save the calibration to a suitable slot in the NanoVNA.
11. Connect the cable to be tested to the NanoVNA to port S11.
12. Go to ***MENU*** > ***DISPLAY*** > ***MARKER*** and tap ***SEARCH*** until it shows ***SEARCH MAXIMUM***.
13. Read the displayed propagation time and the calculated length in meters from the ***MARKER 1 (M1:)*** field at the upper-right corner of the NanoVNA display screen.

***From The Help Desk - Continued on page 38***

*From The Help Desk - Continued from page 37*

## Conclusion

I hope that this article will help to make your NanoVNA more useful to you as well as helping to improve your NanoVNA operational skills. The NanoVNA is an incredibly useful and powerful tool for the radio amateur to have in his/her tool arsenal. Knowing more about how to use the NanoVNA makes it just that much more valuable. This particular use of the NanoVNA will help you to identify the lengths of all of those many assorted cable sections that we all have sitting around our shacks.

**Great turn out for the September 13, 2025 Tech Saturday**

# Gloucester County Amateur Radio Club
# General Membership Meeting Minutes
# Wednesday, September 03, 2025

**Meeting opened @ 1900 Hours by President Jon Pearce WB2MNF with the Pledge of Allegiance to the Flag**

**Attendance :**

- **In-person : 40**
- **Via Zoom : 11**

**Visitors :**

- **Caryn Sternstein**
- **Roland Anders K3RA - ZOOM**

**New Members :**

- **Matthew Bogacki KE2GNY, Mullica Hill, NJ**
- **Michael Cutrera N5MIT, Doylestown, PA**
- **Marian Yanka KE2GOL, Moorestown, NJ**

**Announcements :**

- Bike MS : City to Shore Ride 9/27-28/2025, contact KC2FSB to sign up.
- GCARC CPR and First Aid Training 10/5 or 10/12, 9AM-12PM, 1-4PM at the W2MMD Clubhouse. Sign up at **https://registration.w2mmd.org/wpregp/gcarc-heartsaver-cpr-and-first-aid-class**

**Upcoming Clubhouse Events :**

- **License Testing 9/11 @ 7 PM**
- **Fox Hunt 9/14 @ 1 PM**
- **Board of Director's Meeting 9/17 @ 7 PM**
- **Dinner at the Clubhouse 9/24 @ 6 PM**

**Member Current Activities :**

- **Chris Prioli AD2CS** talked about his audio combining amplifier project.

**Business Meeting :**

**TREASURER'S REPORT :**

- 2025 Year to Date Income and Expense
  - Income : $12,842.57
  - Expense : $9,427.21
  - Net : $3,415.36

**Remarks : Hospitality is running in the red, please donate.**

**GLOUCESTER COUNTY AMATEUR RADIO FOUNDATION :**

- Report : **John O'Connell K2QA** reported a generous donation to the foundation.

***September 2025 General Membership Meeting Minutes - Continued on page 40***

*September 2025 General Membership Meeting Minutes - Continued from page 39*

**CLUBHOUSE REPORT :**

- Report : **Al Arrison KB2AYU** discussed the current status of antenna installs on the new towers.

**HAMFEST :**

- Report : **Ron Block NR2B** provided an update on preparations.

**DX AND CONTESTS :**

- Report : **Tony Starr K3TS** reported on the upcoming Fall contest season. There are several good warm up contests this month, see CrossTalk for details.

**PUBLIC SERVICE :**

- Report : **Steve Farney W2SEF** installed antennas on the Red Cross trailer.

**EDUCATION COMMITTEE :**

- Report : **Jon Pearce WB2MNF** and **Angela Metzger KE2DRJ** discussed upcoming activities with the Woodruff School STEM club.

**TECHNICAL COMMITTEE :**

- Report : **Jim Wright N2GXJ** demonstrated the fox (hidden transmitter) and some hunting techniques.
- **Karl Frank W2KBF** talked about his hunting gear.
- **Jon Pearce WB2MNF** put out a request for a writer to document experiments for the Skunkworks website.

**OLD BUSINESS :**

- Motion to approve previous GM meeting minutes, as published in CrossTalk, passed by voice vote of members present.
- Motion to approve Treasurer's report passed by voice vote of members present.

**NEW BUSINESS :**

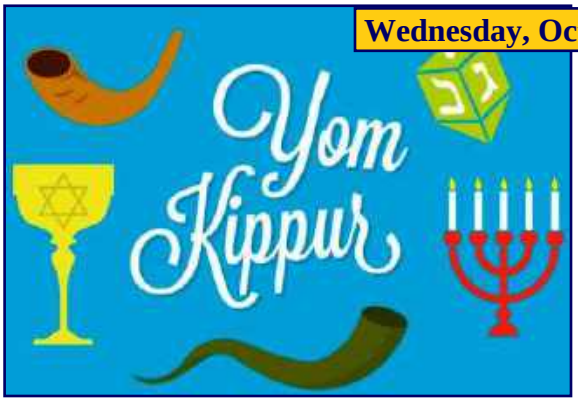
- **Chris Prioli AD2CS** is rewriting the Remote HF station documentation asked for input from users.

**PRESENTATION :**

- **Logging Software by Roland Anders K3RA**

**Meeting adjourned @ 1954 Hours**

**Respectfully submitted,**
**John Zaruba K2ZA, Recording Secretary**



# Gloucester County Amateur Radio Club
# Board of Directors Meeting Minutes
# Wednesday, September 17, 2025

**Meeting opened @ 1900 Hours by President Jonathan Pearce WB2MNF**

**Attendance :**

- **President Jon Pearce WB2MNF : Present**
- **Vice President Ron Block NR2B : ZOOM**
- **Treasurer John O'Connell K2QA : Present**
- **Recording Secretary John Zaruba Jr K2ZA : Present**
- **Corresponding Secretary Mike Resnick N2WOQ : ZOOM**
- **Director (2023-2025) Chris Prioli AD2CS : Present**
- **Director (2023-2025) James Wright N2GXJ : Present**
- **Director (2024-2026) Al Arrison KB2AYU : Present**
- Director (2024-2026) Bill Price NJ2S :
- **Director (2025-2027) Jeffrey Garth WB2ZBN : Present**
- **Director (2025-2027) Frank Romeo N3PUU : Present**
- Trustee (2022-2025) Charles Lanard KD2EIB :
- Trustee (2023-2026) Sheldon Parker K2MEN :
- Trustee (2024-2027) Len Rust W2LJR :
- **Trustee (2025-2028) Earl Moore KC2NCH : Present**
- **Member Karl Frank W2KBF : Present**
- **Member Mike Thompson KG4JYA : Present**
- **Member Jerry Barnish K2EAB : Present**
- **Member Beth Barnish KB2EAL : Present**
- **Member Court Smith KD2SPJ : Present**
- **Member Josh Boylan KE2FSC : Present**

**New Member Applications :**

- **Robert Erenburg KD3BGJ, Wilmington, DE**
- **Paul Kaplan N2FOB, Sicklerville, NJ**
- **Martin Moon KD3BWV, Media, PA**
- **Brandon Taylor KE2GLJ, Haddon Heights, NJ**

**Treasurer's Report :**

- **Income YTD : $16,524.29**
- **Expense YTD : $11,380.07**
- **Net YTD : $5,144.22**

Detailed financial statements are available for member review upon request.

*September 2025 Board of Directors Meeting Minutes - Continued on page 42*

*September 2025 Board of Directors Meeting Minutes - Continued from page 41*

**Committees :**

- **Clubhouse : Al Arrison KB2AYU** provided a list of projects that should be completed before the winter weather returns.
- **HamFest : Ron Block NR2B** had an after action review of the HamFest and lessons learned for next year. Even though it rained the financial results were in line with budgeted projections. September 13, 2026 is projected date for next year.
- **Holiday Party : Beth Barnish KB2EAL** provided an update on the upcoming holiday party on December 10, 2025 at the Lamp Post Diner in Clementon @ 1830 to 2130 Hours.
- **Programs : Jon Pearce WB2MNF** discussed upcoming GM and Tech Saturday programs.
- **Repeaters : Frank Romeo N3PUU** provided an update on the Glassboro DMR repeater networking. All Club members are encouraged to use the new system.
- **Health / Welfare : Jeff Garth WB2ZBN** thanked **Bill Price NJ2S** for the get well card, flowers, and a visit for his wife's recent illness.
- **Foxhunt Report : Jim Wright N2GXJ** reported on the 9/14 hunt at Washington Lake Park.

**Old Business :**

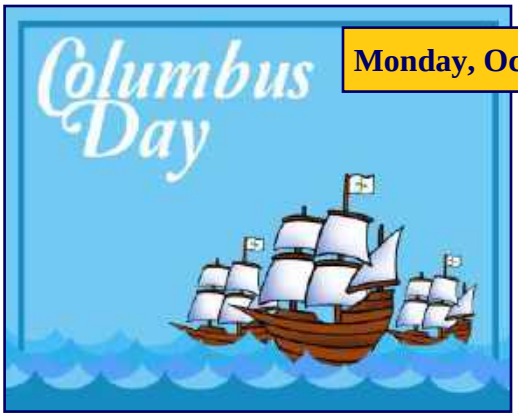
- Motion to approve previous meeting minutes passed by voice vote of Club officers present.
- Motion to approve Treasurer's report passed by voice vote of Club officers present.

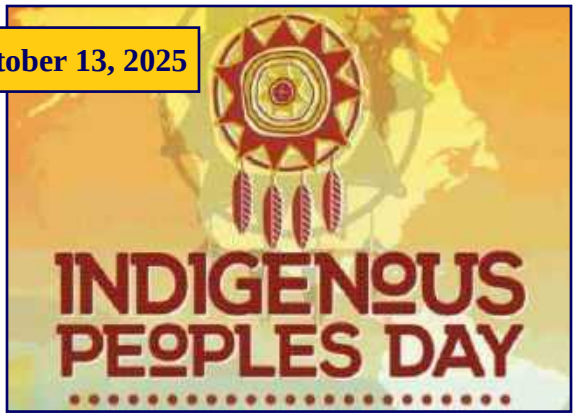
**New Business :**

- Discussion of nominees for the Volunteer Appreciation Award.
- **Jon Pearce WB2MNF** reported on discussions with **Bob Famiglio K3RF** regarding working with kids.
- **Chris Prioli AD2CS** reported on an incident regarding remote HF station access conflict.
- **John O'Connell K2QA** discussed equipment insurance coverage limits for the Club.
- **Frank Romeo N3PUU** inquired about Club participation in Winter Field Day.
- **Club Nets :**
    - ♦ 40 meter frequency : 7.170 MHz (+/- 5 or 10 kHz)
    - ♦ 2 meter nets : August 2025
        - ◊ Tuesday : Average 7.5 check ins
        - ◊ Thursday : Average 6.25 check ins

**Meeting adjourned @ 2032 Hours**

**Respectfully Submitted,**
**John Zaruba Jr K2ZA**
**Recording Secretary**



# Jersey String Band - Report for October 2025

**By Glenn Dougherty N2YIO**

We are now officially in the 2026 Mummer Season as of this writing. September 5 & 6 was the Mummers String Band Association Weekend in North Wildwood along Old New Jersey Avenue. This year the parade was held at 5PM due to the Wildwood Over The Waves Air Show. All 14 string bands were there in full costume strutting their stuff along Old New Jersey Avenue.

You can see highlights of the parade on **YouTube Podcast (https://www.youtube.com/@JerseyStringBand).**

The Jersey String Band met with our arranger on Wednesday, September 10th and went over the rest of the music for our 2026 New Years Day Show. Just a hint, it will be our version of the movie "Grease" and the TV show "Happy Days". That is all I can say for now, but it should be a very fun performance. We also learned that our costumes are done which is a first for us, usually we don't get our costumes until sometime in December.

Here are our upcoming events for October, November, and December :

- Saturday, October 4th : The Woodbury Fall Festival Parade
- Sunday, October 12th : The Long Branch Columbus Day Parade
- Saturday, October 18th : Williamstown Halloween Parade
- Saturday, October 25th : The Alloway Township Halloween Parade
- Saturday, November 15th : The Jersey String Band 7th Anniversary Party
- Saturday, November 22nd : The Brookhaven Holiday Parade
- Saturday, November 29th : The Swedesboro Holiday Parade
- Saturday, December 6th : Two parades - Salem and West Cape May Christmas Parades

Along with all these parades starting in October, the Band will start practicing on both Wednesday and either Saturday or Sunday until New Years Day. In case anyone thinks these band members gets paid, they don't, this is just a hobby, just like the radio. They do it because they like to play music and to entertain the crowds that come see them.

All the money that the Band gets for the parades and the little jobs they do goes toward the costumes, bus transportation, food and drink, and in our case, the fees for the rehearsal at the Fire House. Also the place that we practice on the weekends and any materials they have to purchase to help build the props for New Years Day, along with our association dues and insurance. I think the Band spent over $50,000 last year and we are the smallest band in the parade.

Don't forget, if you would like to learn more about the Jersey String Band or you play an instrument and would just like to play some music, you are all ways welcome to stop out to the Woodbury Heights Fire House any Wednesday Night from 7:30-9:30 pm they would love to have you play with them.

You can get more information on the Band at our **Facebook (https://www.facebook.com/JerseyStringBand ) Page**. We also have a Podcast that should be starting back up soon at Jersey String Band Podcast and also check out the **Philadelphia Mummers Association Sessions Podcast (https://www.youtube.com/@pmsba)** that comes out every other Friday on YouTube.

**North American QSO Party RTTY 2025**
**July 20, 2025**

**Call : AB2E**
**Operator (s) : AB2E**
**Station : AB2E**

**Class : Single Op Assisted LP**
**QTH : SNJ**
**Operating Time (hrs) : 6**
**Location : USA**

**Summary :**

| Band | QSOs | Mults |
|---|---|---|
| 80 : | 55 | 26 |
| 40 : | 89 | 38 |
| 20 : | 83 | 33 |
| 15 : | 18 | 9 |
| Total : | 245 | 106 |

**Total Score : 25,970**

**Club : Frankford Radio Club**

**043**

**Comments :**
Callsign : AB2E
Contest : NAQPRTTY

| Band | QSOs | Pts | Sec | Mt2 | Pt/Q |
|---|---|---|---|---|---|
| 3.5 | 55 | 55 | 25 | 1 | 1.0 |
| 7 | 89 | 89 | 37 | 1 | 1.0 |
| 14 | 83 | 83 | 32 | 1 | 1.0 |
| 21 | 18 | 18 | 9 | 0 | 1.0 |
| Total | 245 | 245 | 103 | 3 | 1.0 |

Score : 25,970
1 Mult = 2.3 Q's

**ARS Flight of the Bumblebees 2025**
**July 27, 2025**

**Call : W1BRY**
**Operator (s) : W2TEF N3AQC W6WU**
**Station : W1BRY**

**Class : Home QRP**
**QTH : CT**
**Operating Time (hrs) :**
**Location : USA**

**Summary :**

| Band | QSOs | Bumblebees |
|---|---|---|
| 40 : | 2 | 2 |
| 20 : | 1 | 1 |
| Total : | 3 | 3 |

**Total Score : 27**

**045**

**ARS Flight of the Bumblebees 2025**
**July 27, 2025**

**Call : W2TEF**
**Operator (s) : W2TEF**
**Station : W2TEF**

**Class : Bumblebee QRP**
**QTH : US-1615**
**Operating Time (hrs) : 3.25**
**Location : USA**

**Summary :**

| Band | QSOs | Bumblebees |
|---|---|---|
| 40 : | 33 | 9 |
| 20 : | 12 | 1 |
| Total : | 45 | 10 |

**Total Score : 1,350**

**044**

**Comments :**
US-1615 : Thomas Edison State Park in NJ. QRP-Labs QMX (<5w) with a home-built EFHW resonant on both 20m & 40m. Warm, humid day: glad the rain stopped right as I arrived. There's a large monument at this park with a light bulb on top. Thanks to all those who hunted me down!

**North American QSO Party CW 2025**
**August 03, 2025**

**Call : AB2E**
**Operator (s) : AB2E**
**Station : AB2E**

**Class : Single Op Assisted LP**
**QTH : NY**
**Operating Time (hrs) : 5**
**Location : USA**
**Remote Operation**

**Summary :**

| Band | QSOs | Mults |
|---|---|---|
| 40 : | 72 | 40 |
| 20 : | 104 | 43 |
| 15 : | 31 | 19 |
| 10 : | 1 | 0 |
| Total : | 207 | 102 |

**Total Score : 21,114**

**Club : Frankford Radio Club**

**046**

## Regional Skywarn Websites For On-Line And In-Person Training Classes

**Philadelphia/Mt Holly Skywarn : www.weather.gov/phi/skywarn**
**State College, PA Skywarn : www.weather.gov/ctp/skywarn**
**Pittsburgh, PA Skywarn : www.weather.gov/pbz/skywarn**

## State College Skywarn Spotter Google Meet Training Class
## Basic/Winter Spotter Talk

**Monday, November 3, 2025 @ 1800 Hours**

**Google Meet Website : https://meet.google.com/xrj-vuka-mjc**

**Registration not required**

## Weather Information Nets & Frequencies

**Hurricane Watch Net : www.hwn.org**

- **Day Time : 14.325 MHz**
- **Night Time : 7.268 MHz**
- **Information : 14.300 MHz**

**Local SKYWARN Frequencies :**

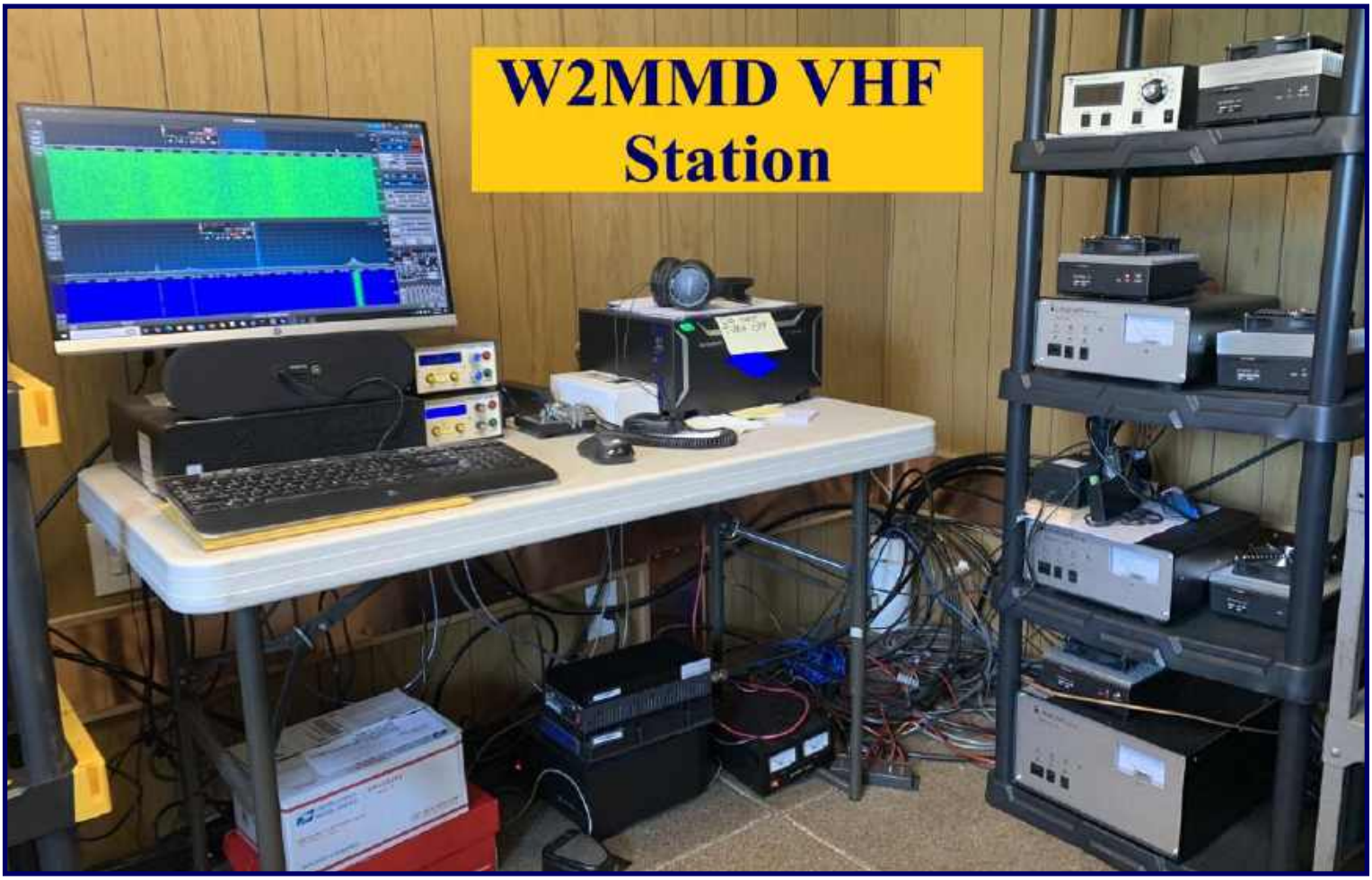
- **Atlantic County : K2BR, 146.745 MHz (-) 146.2 Hz**
  - ◊ **Net Every Monday @ 1900 Hours**
- **Camden County : K2EOC, 146.895 MHz (-) 91.5 Hz**
  - ◊ **Net Every Thursday @ 2030 Hours**
- **Cumberland County : KE2CK, 146.805 MHz, (-) 118.8 Hz**
  - ◊ **Net Every Monday @ 1930 Hours**
- **Gloucester County : W2MMD, 147.180 MHz (+) 131.8 Hz**
  - ◊ **Net Every Sunday @ 1930 Hours**
- **Salem County : N2KEJ, 146.625 MHz (-) 131.8 Hz**

**What is a Skywarn Spotter?**
**By Jonathan Guseman KJ4ZWS, Warning Coordination Meteorologist**
**National Weather Service Central PA - https://www.weather.gov/skywarn**

**Spotters are our eyes/ears in the field! The NWS depends on our spotters to give us ground truth, therefore assisting in warning issuance and being heavily involved in reporting and documentation. As we issue warnings from inside of our offices, we greatly appreciate our spotters assisting us in the field and describing to us what is happening.**

# Another FREE Clubhouse Resource Available To All Club Members

**Training May Be Required : See Jon Pearce WB2MNF For Details**




## Volunteer Monitor Program Report - July 2025

The Volunteer Monitor (VM) Program is a joint initiative between ARRL and the FCC to enhance compliance in the Amateur Radio Service. This is the July 2025 activity report of the VM Program.

- Technician operators in Florida and Georgia received advisories concerning 17-meter FT8 operation, a band on which Technicians have no privileges.
- Technician operators in Florida, California, and Oregon received advisory notices concerning 20-meter FT8 operation, a band on which Technicians have no privileges.
- A commendation was issued to an operator in Ohio for exceptional work with the April 29, 2025, SKYWARN® net on the Preble County 145.470 MHz repeater.
- There was one virtual club presentation about the Volunteer Monitor Program.

The totals for June 2025 monitoring were 1,208 hours on HF frequencies, and 1,668 hours on VHF frequencies and above, for a total of 2,876 hours.

Thanks to Volunteer Monitor Program Administrator Riley Hollingsworth, K4ZDH

**To Be Added To The DX HONOR ROLL or Update Your Number, Please Contact**
**Ernest Kraus KD2EAV**
**meanddelcanotc@verizon.net**

| Name/Callsign | DXCC |
|---|---|
| Bill Grim W0MHK | 352 |
| Dave Strout W2YC | 349 |
| Edward De Fonzo W2DE | 339 |
| Darrell Neron AB2E | 337 |
| Bob Pantazes W2ARP | 300 |
| Gary Castellini N2IEC | 288 |
| Vinnie Sallustio N4NYY | 275 |
| Sheldon Parker K2MEN | 272 |
| Jim Wright N2GXJ | 272 |
| John Hill W2HUV | 271 |
| Ken Denson WB2P | 248 |
| Tony Starr K3TS | 247 |
| Dennis Sandole K2SE | 231 |
| Eric Morris N2BRJ | 166 |
| Art Strong KA0WS | 163 |
| Howard Marder WA2IBZ | 160 |
| Steve Farney W2SEF | 147 |
| Phil Nunzio WA3RGY | 144 |
| Ben Johnson NE2R | 134 |
| Rich Subers W2RHS | 133 |
| Bart Kleczynski AC2PT | 124 |
| Marc Federici WM2Y | 117 |
| Chuck Capasso WB2PGE | 104 |
| Harry Strahlendorf W3DNQ | 103 |
| Jim Clark KA2OSV | 87 |
| Updated As Of 09/22/2025 | |

***Hmm...It's Saturday and you want to know if someone is at the Clubhouse? Why not call and find out!***

***W2MMD Clubhouse : 856-244-6914***

***If no one answers, call Jenny at 867-5309***

The Random Wire
https://www.randomwire.us

## Maidenhead Grid Squares : How named, and how many?

**By Tom Salzer KJ7T**

Lest you think this is some kind of sexist label, here is what the **ARRL says (https://www.arrl.org/about-grid-squares?utm_source=substack&utm_medium=email)** : "An instrument of the Maidenhead Locator System (named after the town outside London where it was first conceived by a meeting of European VHF managers in 1980), a grid square measures 1° latitude by 2° longitude and measures approximately 70 × 100 miles in the continental US. A grid square is indicated by two letters (the field) and two numbers (the square), as in FN31, the grid square within which W1AW, ARRL's Maxim Memorial Station, resides. Each subsquare is designated by the addition of two letters after the grid square, as FN44ig. These more precise locators are used as part of the exchange in the 10-GHz contest. They measure 2.5 minutes latitude by 5 minutes longitude, roughly corresponding to 3 × 4 miles in the continental US. The Lab Notes column in April 1994 QST covered grid squares in particular and geographical coordinates in general." How many grid squares cover the planet? 32,400, says **W8BH (http://www.w8bh.net/grid_squares.pdf?utm_source=substack&utm_medium=email)** : "In the Maidenhead grid system, longitude and latitude are divided into 18 bands, creating a world grid of 324 zones called Fields. Each field is divided into 100 smaller units, called Squares. Therefore, there are 32,400 grid squares in all."

***Article Credit : The Random Wire 149* : www.randomwire.us**

2025
CQ
SSB
The Radio Amateur's Journal
Takes pleasure in awarding this Certificate of Merit to
AB2E
World Wide WPX Contest
#18 United States 2nd Call Area
Single Operator High Power All Bands
A Total score of 984,345 points was computed on the basis of the number of stations worked and call sign prefixes contacted. In witness of this achievement, we hereby affix our signatures on this day.
K3LR

## October Birthdays

***Congratulations To Our Members Who Are Celebrating A Birthday This Month***

**Jerry Barnish K2EAB**
**Rick Bleda KC2SGR**
**Steve Broomhead KB2RTZ**
**Harry Bryant AA2WN**
**Jim Clark KA2OSV (President 2019, 2020)**
**Mary Delemarre W2TDS**
**Peter Elias Jr KE2EGU**
**Harry Elwell AD5TT (President 2017, 2018)**
**Harry Eshleman KE2DQA**
**Chris Grabosky KE2FIK**
**Dave Kappler N3DRK**
**Bill Kardas N2BK**
**Jim Lamanteer WB2KNR**
**Bill Mollenhauer N2FZ**
**John Newman WB4YLM**
**Angela Papineau KD3DRI**
**Aidan Pham KE2GFK**
**Alex Rodriguez N5MG**
**Dennis Sandole K2SE**
**Dave Swartout KC2TGB**

## In Memoriam : October Birthdays

**Rose Ellen Bills N2RE (President 1980)**
**Stephen Blasko Sr W2TDS**
**Emil Busko Sr WB2EOR**
**Paul Callaghan Jr WB4FVY (President 1970)**
**Diane Direnzo KB2RHL**
**James Doms N2ATC**
**Keith Drake Sr KB2YBR**
**Raymond Falk N2ASX**
**George Gogstad KB2GTM**
**Howard Hirst Jr K2QGH**
**Robert Houck Jr K2JOL**
**James Klupar KB8WX**
**Edmund Kwiatkowski K2QOK**
**Neil Nickerson Sr K2NRN**
**Mario Nicosia WB3KAG**
**Lewis Parker N2LZS**
**Albert Roche K2HHJ (Charter Member)**
**Michael Scanzello**
**John Stull Jr N2SI (President 1972)**
**Preston Weil WA2TSZ**
**John Zaruba Sr K2ZA**

# CrossTalk Submissions

***This is your Club Magazine. Make use of it.***

**If you have stories or photos of your hobby that you would like to share with the Club, please do so! We will keep covering all of the GCARC events, but it is also nice to get those personal perspectives to include in every issue. Connecting through experiences is what makes the Gloucester County Amateur Radio Club a *REAL* Club.**

**All submissions, queries, comments, and editorials should be addressed to :**
**Jeff Garth WB2ZBN at djgrath1 <*at*> gmail <*dot*> com**

**Submission deadline for the November 2025 issue : Monday, October 20, 2025**

**Club Website www.w2mmd.org**
**Club E-Mail Reflector : GCARC <*at*> Mailman <*dot*> QTH <*dot*> Net**

# Announced DX Operations : October 2025

## www.ng3k.com/Misc/adxo.html

## From The Shack of Bill Feidt NG3K : www.ng3k.com

| | | | | | | |
|---|---|---|---|---|---|---|
| 2025 Oct01 | 2025 Oct08 | **Bhutan** | **A52G** | LoTW | DXW.Net 20250827 | By PG5M fm Dochula @3100m ASL;; 40-6m; CW, some FT8 using MSHV (v2.76.3); see Web for QSL details; dates may vary by 1 day + or - |
| 2025 Oct03 | 2025 Oct07 | **Christmas I** | **VK9QO** | LoTW | BH6BEZ 20250811 | By JA3GEP JA1COU BA7LVG BH6BEZ; 80-6m; CW SSB FT4 FT8; QSL via JA3GEP |
| 2025 Oct03 | 2025 Oct12 | **Mariana Is** | **WH0RU** | LoTW | OPDX 20250915 | By JG7PSJ fm Saipan I (IOTA OC-086); HF; QSL via JG7PSJ direct w/ SASE |
| 2025 Oct04 | 2025 Oct27 | **Burkina Faso** | **XT2AW** | LoTW | OPDX 20250814 | By DF2WO fm Ouagadougou; 160-6m, incl 60m; CW FT4 SSB; QSL via M0OXO OQRS |
| 2025 Oct05 | 2025 Oct25 | **Guatemala** | **TG9BBV** | LoTW | TDDX 20250726 | By VE7BV; 40-6m; CW SSB, perhaps FT8; QSL via VE7BV (B/d) |
| 2025 Oct08 | 2025 Oct13 | **Svalbard** | **JW** | Home Call | OPDX 20250203 | By LA7XK as JW7XK, LA6VM as JW6VM, LA9DL as JW9DL; HF; CW SSB + digital; QRV for Scandinavian Activity SSB Contest using JW5X |
| 2025 Oct08 | 2025 Oct15 | **Fernando de Noronha** | **PY0FB** | LoTW | DXW.Net 20250606 | By PY2DV; 80-6m; SSB; some FT8 FT4; QSL via M0URX OQRS or PY2DV |
| 2025 Oct08 | 2025 Oct15 | **Grenada** | **J38LD** | M0OXO | DXW.Net 20250726 | By GM5RDX; 80-6m; focus on SSB, some FT8 |
| 2025 Oct09 | 2025 Oct20 | **North Cook Is** | **E51MWA** | LoTW | OPDX 20250723 | By N7QT WA7CPA N7JP KC7EFP N9ADG KN2P; 160-10m; QSL via M0URX (See Web for details) |
| 2025 Oct16 | 2025 Oct20 | **Tanzania** | **5H3MB** | LoTW | TDDX 20250915 | By IK2GZU; HF; SSB CW RTTY FT8; QSL via IK2GZU (B/d) |
| 2025 Oct17 | 2025 Oct28 | **Angola** | **D2A** | EA7FTR | DXW.Net 20250727 | By EC7R CT7BOL D2ACE EC1T EA1ACP D2XX CT2GFW CT7APE CT1FFU EA5EL; 160-6m; CW SSB RTTY FT8 |
| 2025 Oct17 | 2025 Oct29 | **Saba & St Eustatius** | **PJ6Y** | LoTW | DXW.Net 20250318 | By W6IZT W2FQ NM1Y and YOTA team fm Saba I; 160-6m, incl 60m; CW SSB FT8; QRV for CQWW DX SSB; see Web for QSL details |
| 2025 Oct18 | 2025 Nov12 | **Gambia** | **C5** | LoTW | DXW.Net 20241227 | By F5RAV as C5LT (until Oct 31) and YT3PL as C5R; HF; CW SSB FT8 |
| 2025 Oct20 | 2025 Oct29 | **Dominica** | **J79FJ** | KU9C | FM5FJ 20250810 | By FM5FJ; HF; CW SSB, perhaps FT8 |
| 2025 Oct20 | 2025 Nov07 | **Wallis & Futuna Is** | **FW5K** | LoTW | OPDX 20250210 | By NC7M NG7E N7JI K6VHF KA6BIM W7HER fm IOTA OC-054; 160-6m; CW SSB RTTY FT8 FT4; See Web for QSL details; QRV for CQWW DX SSB Contest |
| **CQ Worldwide DX Contest, SSB** (Oct 25-26, 2025) Check here for pericontest activity too. | | | | | | |
| 2025 Oct29 | 2025 Nov12 | **Madagascar** | **5R8TT** | LoTW | 425DXN 20250815 | By I1FQH I1HJT I2PJA IK2CKR IK2HKT IK2RZP IV3ZXQ fm Nosy Be I (IOTA AF-057); 160-6m; CW SSB RTTY; 5R8XX on FT8; QSL via 5R8TT OQRS |
| 2025 Oct31 | 2025 Nov20 | **Burundi** | **9U1RU** | LoTW | DXW.Net 20250509 | By R7AL OK8AU RW9JZ W8HC SP6EQZ RU3UR UA3QLC R2BW R5EC; 160-6m; CW SSB FT8 |

**Also for your convenience, there is a direct link to NG3K on our website. Click on the NG3K DX Page.**

| | |
|---|---|
| Phone Weekly Test | 0230Z-0300Z, Oct 1 |
| A1Club AWT | 1145Z-1300Z, Oct 1 |
| CWops Test (CWT) | 1300Z-1400Z, Oct 1 |
| Mini-Test 40 | 1700Z-1759Z, Oct 1 |
| VHF-UHF FT8 Activity Contest | 1700Z-2100Z, Oct 1 |
| Mini-Test 80 | 1800Z-1859Z, Oct 1 |
| CWops Test (CWT) | 1900Z-2000Z, Oct 1 |
| UKEICC 80m Contest | 2000Z-2100Z, Oct 1 |
| Walk for the Bacon QRP Contest | 0000Z-0100Z, Oct 2 and 0200Z-0300Z, Oct 3 |
| CWops Test (CWT) | 0300Z-0400Z, Oct 2 |
| CWops Test (CWT) | 0700Z-0800Z, Oct 2 |
| NRAU 10m Activity Contest | 1700Z-1800Z, Oct 2 (CW) and 1800Z-1900Z, Oct 2 (SSB) and 1900Z-2000Z, Oct 2 (FM) and 2000Z-2100Z, Oct 2 (Dig) |
| SARL 80m QSO Party | 1700Z-2000Z, Oct 2 |
| SKCC Sprint Europe | 1900Z-2100Z, Oct 2 |
| URC DX RTTY Contest | 0000Z to 2400Z, Oct 3 |
| NCCC FT4 Sprint | 0100Z-0130Z, Oct 3 |
| Weekly RTTY Test | 0145Z-0215Z, Oct 3 |
| NCCC Sprint | 0230Z-0300Z, Oct 3 |
| German Telegraphy Contest | 0700Z-1000Z, Oct 3 |
| K1USN Slow Speed Test | 2000Z-2100Z, Oct 3 |
| Collegiate QSO Party | 0000Z, Oct 4 to 2359Z, Oct 5 |
| Worked All Provinces of China DX Contest | 0600Z, Oct 4 to 0559Z, Oct 5 |
| Oceania DX Contest, Phone | 0600Z, Oct 4 to 0600Z, Oct 5 |
| TRC DX Contest | 0600Z, Oct 4 to 1800Z, Oct 5 |
| Russian WW Digital Contest | 1200Z, Oct 4 to 1159Z, Oct 5 |
| IARU Region 1 UHF/Microwaves Contest | 1400Z, Oct 4 to 1400Z, Oct 5 |
| International HELL-Contest | 1600Z-1800Z, Oct 4 (80m) and 0900Z-1100Z, Oct 5 (40m) |
| California QSO Party | 1600Z, Oct 4 to 2200Z, Oct 5 |
| IARU Region 2 Area G HF SSB Contest | 2200Z-2359Z, Oct 4 |
| UBA ON Contest, SSB | 0600Z-1000Z, Oct 5 |
| Peanut Power QRP Sprint | 2200Z-2359Z, Oct 5 |
| K1USN Slow Speed Test | 0000Z-0100Z, Oct 6 |
| ICWC Medium Speed Test | 1300Z-1400Z, Oct 6 |
| OK1WC Memorial (MWC) | 1630Z-1729Z, Oct 6 |
| ICWC Medium Speed Test | 1900Z-2000Z, Oct 6 |
| RSGB 80m Autumn Series, CW | 1900Z-2030Z, Oct 6 |
| ARS Spartan Sprint | 0000Z-0200Z, Oct 7 |
| Worldwide Sideband Activity Contest | 0100Z-0159Z, Oct 7 |
| ICWC Medium Speed Test | 0300Z-0400Z, Oct 7 |
| Phone Weekly Test | 0230Z-0300Z, Oct 8 |
| A1Club AWT | 1145Z-1300Z, Oct 8 |
| CWops Test (CWT) | 1300Z-1400Z, Oct 8 |
| VHF-UHF FT8 Activity Contest | 1700Z-2100Z, Oct 8 |
| Mini-Test 40 | 1700Z-1759Z, Oct 8 |
| Mini-Test 80 | 1800Z-1859Z, Oct 8 |
| CWops Test (CWT) | 1900Z-2000Z, Oct 8 |
| 432 MHz Fall Sprint | 2300Z, Oct 8 to 0600Z, Oct 9 |
| CWops Test (CWT) | 0300Z-0400Z, Oct 9 |
| CWops Test (CWT) | 0700Z-0800Z, Oct 9 |
| 10-10 Int. 10-10 Day Sprint | 0001Z-2359Z, Oct 10 |
| NCCC FT4 Sprint | 0100Z-0130Z, Oct 10 |
| Weekly RTTY Test | 0145Z-0215Z, Oct 10 |
| NCCC Sprint | 0230Z-0300Z, Oct 10 |
| K1USN Slow Speed Test | 2000Z-2100Z, Oct 10 |
| Makrothen RTTY Contest | 0000Z-0800Z, Oct 11 and 1600Z-2400Z, Oct 11 and 0800Z-1600Z, Oct 12 |
| QRP ARCI Fall QSO Party | 0000Z-2359Z, Oct 11 |
| ARRL EME Contest | 0000Z, Oct 11 to 2359Z, Oct 12 |
| Nevada QSO Party | 0300Z, Oct 11 to 2100Z, Oct 12 |
| Oceania DX Contest, CW | 0600Z, Oct 11 to 0600Z, Oct 12 |
| Scandinavian Activity Contest, SSB | 1200Z, Oct 11 to 1200Z, Oct 12 |
| SKCC Weekend Sprintathon | 1200Z, Oct 11 to 2400Z, Oct 12 |
| Arizona QSO Party | 1500Z, Oct 11 to 0500Z, Oct 12 |
| Pennsylvania QSO Party | 1600Z, Oct 11 to 0400Z, Oct 12 and 1300Z-2200Z, Oct 12 |
| South Dakota QSO Party | 1800Z, Oct 11 to 1800Z, Oct 12 |
| PODXS 070 Club 160m Great Pumpkin Sprint | 2000Z, Oct 11 to 2000Z, Oct 12 |
| UBA ON Contest, CW | 0600Z-1000Z, Oct 12 |
| 4 States QRP Group Second Sunday Sprint | 0000Z-0200Z, Oct 13 |
| K1USN Slow Speed Test | 0000Z-0100Z, Oct 13 |
| ICWC Medium Speed Test | 1300Z-1400Z, Oct 13 |
| OK1WC Memorial (MWC) | 1630Z-1729Z, Oct 13 |
| ICWC Medium Speed Test | 1900Z-2000Z, Oct 13 |
| Worldwide Sideband Activity Contest | 0100Z-0159Z, Oct 14 |
| ICWC Medium Speed Test | 0300Z-0400Z, Oct 14 |
| DARC RTTY Sprint | 1800Z-1929Z, Oct 14 |
| NAQCC CW Sprint | 0030Z-0230Z, Oct 15 |

*October 2025 Contest Calendar - Continued on page 52*

*October 2025 Contest Calendar - Continued from page 51*

| | |
|---|---|
| Phone Weekly Test | 0230Z-0300Z, Oct 15 |
| A1Club AWT | 1145Z-1300Z, Oct 15 |
| CWops Test (CWT) | 1300Z-1400Z, Oct 15 |
| Mini-Test 40 | 1700Z-1759Z, Oct 15 |
| VHF-UHF FT8 Activity Contest | 1700Z-2100Z, Oct 15 |
| Mini-Test 80 | 1800Z-1859Z, Oct 15 |
| CWops Test (CWT) | 1900Z-2000Z, Oct 15 |
| RSGB 80m Autumn Series, Data | 1900Z-2030Z, Oct 15 |
| AGCW Semi-Automatic Key Evening | 1900Z-2030Z, Oct 15 |
| Walk for the Bacon QRP Contest | 0000Z-0100Z, Oct 16 and 0200Z-0300Z, Oct 17 |
| CWops Test (CWT) | 0300Z-0400Z, Oct 16 |
| CWops Test (CWT) | 0700Z-0800Z, Oct 16 |
| NTC QSO Party | 1900Z-2000Z, Oct 16 |
| NCCC FT4 Sprint | 0100Z-0130Z, Oct 17 |
| Weekly RTTY Test | 0145Z-0215Z, Oct 17 |
| NCCC Sprint | 0230Z-0300Z, Oct 17 |
| K1USN Slow Speed Test | 2000Z-2100Z, Oct 17 |
| JARTS WW RTTY Contest | 0000Z, Oct 18 to 2400Z, Oct 19 |
| 10-10 Int. Fall Contest, CW | 0001Z, Oct 18 to 2359Z, Oct 19 |
| New York QSO Party | 1400Z, Oct 18 to 0200Z, Oct 19 |
| YLRL DX/NA YL Anniversary Contest | 1400Z, Oct 18 to 0200Z, Oct 20 |
| Stew Perry Topband Challenge | 1500Z, Oct 18 to 1500Z, Oct 19 |
| Worked All Germany Contest | 1500Z, Oct 18 to 1459Z, Oct 19 |
| Feld Hell Sprint | 2000Z-2359Z, Oct 18 |
| Argentina National 7 MHz Contest | 2130Z-2330Z, Oct 18 |
| Asia-Pacific Fall Sprint, CW | 0000Z-0200Z, Oct 19 |
| UBA ON Contest, 2m | 0700Z-1000Z, Oct 19 |
| Illinois QSO Party | 1700Z, Oct 19 to 0100Z, Oct 20 |
| Run for the Bacon QRP Contest | 2300Z, Oct 19 to 0100Z, Oct 20 |
| K1USN Slow Speed Test | 0000Z-0100Z, Oct 20 |
| ARRL School Club Roundup | 1300Z, Oct 20 to 2359Z, Oct 24 |
| ICWC Medium Speed Test | 1300Z-1400Z, Oct 20 |
| OK1WC Memorial (MWC) | 1630Z-1729Z, Oct 20 |
| ICWC Medium Speed Test | 1900Z-2000Z, Oct 20 |
| Worldwide Sideband Activity Contest | 0100Z-0159Z, Oct 21 |
| ICWC Medium Speed Test | 0300Z-0400Z, Oct 21 |
| SKCC Sprint | 0000Z-0200Z, Oct 22 |
| Phone Weekly Test | 0230Z-0300Z, Oct 22 |
| A1Club AWT | 1145Z-1300Z, Oct 22 |
| CWops Test (CWT) | 1300Z-1400Z, Oct 22 |
| Mini-Test 40 | 1700Z-1759Z, Oct 22 |
| Mini-Test 80 | 1800Z-1859Z, Oct 22 |
| CWops Test (CWT) | 1900Z-2000Z, Oct 22 |
| IRTS 80m Counties Contest | 2000Z-2100Z, Oct 22 |
| CWops Test (CWT) | 0300Z-0400Z, Oct 23 |
| CWops Test (CWT) | 0700Z-0800Z, Oct 23 |
| RSGB 80m Autumn Series, SSB | 1900Z-2030Z, Oct 23 |
| NCCC FT4 Sprint | 0100Z-0130Z, Oct 24 |
| Weekly RTTY Test | 0145Z-0215Z, Oct 24 |
| NCCC Sprint | 0230Z-0300Z, Oct 24 |
| K1USN Slow Speed Test | 2000Z-2100Z, Oct 24 |
| CQ Worldwide DX Contest, SSB | 0000Z, Oct 25 to 2359Z, Oct 26 |
| 902 MHz and Up Fall Sprint | 0800 local - 1400 local, Oct 25 |
| Classic Exchange, CW | 1300Z, Oct 26 to 0700Z, Oct 27 and 1300Z, Oct 28 to 0700Z, Oct 29 |
| K1USN Slow Speed Test | 0000Z-0100Z, Oct 27 |
| QCX Challenge | 1300Z-1400Z, Oct 27 |
| ICWC Medium Speed Test | 1300Z-1400Z, Oct 27 |
| OK1WC Memorial (MWC) | 1630Z-1729Z, Oct 27 |
| ICWC Medium Speed Test | 1900Z-2000Z, Oct 27 |
| QCX Challenge | 1900Z-2000Z, Oct 27 |
| RSGB FT4 Contest | 2000Z-2200Z, Oct 27 |
| Worldwide Sideband Activity Contest | 0100Z-0159Z, Oct 28 |
| ICWC Medium Speed Test | 0300Z-0400Z, Oct 28 |
| QCX Challenge | 0300Z-0400Z, Oct 28 |
| Phone Weekly Test | 0230Z-0300Z, Oct 29 |
| A1Club AWT | 1145Z-1300Z, Oct 29 |
| CWops Test (CWT) | 1300Z-1400Z, Oct 29 |
| Mini-Test 40 | 1700Z-1759Z, Oct 29 |
| Mini-Test 80 | 1800Z-1859Z, Oct 29 |
| CWops Test (CWT) | 1900Z-2000Z, Oct 29 |
| UKEICC 80m Contest | 2000Z-2100Z, Oct 29 |
| CWops Test (CWT) | 0300Z-0400Z, Oct 30 |
| CWops Test (CWT) | 0700Z-0800Z, Oct 30 |
| NCCC FT4 Sprint | 0100Z-0130Z, Oct 31 |
| Weekly RTTY Test | 0145Z-0215Z, Oct 31 |
| NCCC Sprint | 0230Z-0300Z, Oct 31 |
| Zombie Shuffle | 1500-2400 local, Oct 31 |
| K1USN Slow Speed Test | 2000Z-2100Z, Oct 31 |

# Cherry Valley Model Railroad Club

## Holiday Open House!

Grace Church • 7 East Maple Ave.
Merchantville, NJ 08109

**Sat, Oct 18 & Nov. 15**
**Sat. & Sun, December 6 & 7.**
**Sat. & Sun, January 3 & 4, 10 & 11**
**Hours: 12-3pm**

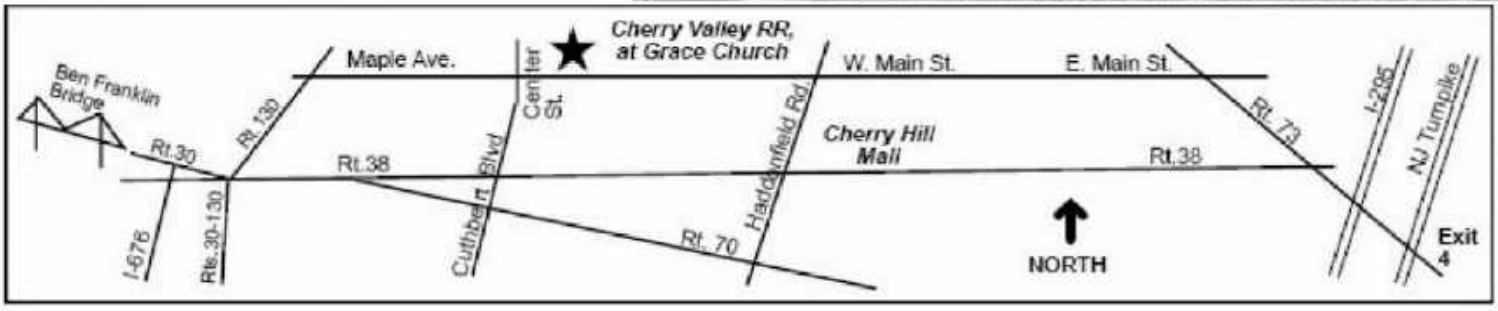
*Please note the club layout is not wheelchair accessble*

## Free admission! Bring the Family.

For information, please contact:
Doug Shultz 609-923-6161

FOLLOW US ON facebook

Follow us on Facebook:
**Cherry Valley Model Railroad**
for photos, videos, events & news!



# 4-H OPEN HOUSE

Hosted by:

Gloucester County 4-H Fair Association

# TRUNK OR TREAT

Free Kids Activity for K-3!

**23** OCT 2025

FREE EVENT

**6 to 8 PM**

4-H club-run Food booth!

Held at 275 Bridgeton Pike (Rt 77), Mullica Hill, NJ

## COME MEET SOME OF OUR 4-H CLUBS!

**Trick or Treaters are asked to bring non-perishable food items to be donated to a local pantry**

TO VOLUNTEER TO DO A TRUNK, CONTACT THE 4-H FAIR ASSOCIATION AT 856.619.7479

LOCAL BUSINESSES WELCOME!

For more information on the 4-H program call 856.224.8040 x3 or email br372@njaes.rutgers.edu

Rutgers University 4-H Youth Development New Jersey Agricultural Experiment Station

Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and Boards of County Commissioners. Rutgers Cooperative Extension, a unit of the Rutgers New Jersey Agricultural Experiment Station, is an equal opportunity program provider and employer.

Sponsored by:
Monroe Township Parks & Recreation Commission
FALL FESTIVAL
OCTOBER 18
PUMPKIN PATCH
HAY RIDES
BOUNCE HOUSES
GAMES & PRIZES
PUMPKIN DECORATING
PONY RIDES
START AT 10A-2PM
LOCATION: OWENS PARK

Red Rose Repeater Association

Lancaster, PA W3RRR.org

ARRL AFFILIATED CLUB

# HAMFEST

## Saturday October 4,th 2025

Vendor Set Up 6:00 am  Gates Open 8:00 am

**General Admission $5  Tailgating $7  Indoor table $10**

## Presentation at 9:00 am

# Getting started in Meshtastic

*Multiple contests with quality prizes*

**VE testing to begin promptly at 10:00**

Tailgating / Food / Door Prizes / VE Testing

Grand Prize 38 Foot Fiberglass mast at 11:30 AM

**MUST BE PRESENT TO WIN**

LOCATION: 339 E. Main Street New Holland Pa 17557

# B.A.R.A

# FALL HAMFEST

**Ham Radio, Electronics, Computer Equipment**

## Saturday October 11, 2025

**8:00 AM – 2:00 PM** (Vendors only at 6:30 AM)

**Westwood Regional High School**
701 Ridgewood Road
Township of Washington, NJ 07676
**GPS: N40.58.823 W74.03.647**

Refreshments Available

Plenty of Free Parking

Directions on our website **www.BARA.org**
**Talk in: 146.19/79 PL 141.3**
→ If rain, check BARA website before traveling

Breakfast & Lunch

Indoor Restrooms

**Buyers: $5.00** Non-ham family members free

**Vendors: $15.00** Includes 2 spaces + 1 admission

**DXCC Card Checking**

For Hamfest Information, Call or text
Jim K2ZO 201-294-7018 or Chuck KC2SST 201-696-2511

# SAME LOCATION ! ! !

# HAMFEST 2.0

## RF HILL AMATEUR RADIO CLUB

Admission $10.00

SUNDAY, OCTOBER 19, 2025
RAIN OR SHINE

Talk-in 145.31- PL 131.8

**AT THE UPPER COUNTY CAMPUS OF THE BUCKS COUNTY COMMUNITY COLLEGE**

**Use GPS address: 346 Blooming Glen Road, Perkasie, PA 18944**

GPS Coordinates: Latitude 40° 22′ 53″ N, Longitude 75° 16′ 31.8″ W

Gates are open 8:00 AM to 1:00 PM for the General Public

Opens - 7:00 AM for vendors • NO OVERNIGHT PARKING at the College

- FREE PARKING !!! **NO EARLY BIRDS!!!**
- Vendor spaces – Spaces DO NOT include admission.
  OUTDOOR: approx. 9' frontage, first come, first served on Sunday - $10 / space.
  NO LARGE BILLS ACCEPTED AT THE GATE!
- VE testing: Inside. Begins at 10:00 AM sharp.
  *Bring ID and FRN! Fee $15.00*
- Food available at site
- Door Prizes drawn throughout the day (Must be present to Win)

***Ham Equipment, Computer Hardware and Software flea market***

**For Hamfest information contact:**

**Jim Soete, WA3YLQ**

**215-622-4344**

**Email: wa3ylq@hotmail.com**

**Club website: www.rfhillarc.club**

# 2025 Club Committees

| Standing Committees | Committee Chairs |
|---|---|
| **Budget** | **John O'Connell K2QA** |
| **Constitution & By-Laws** | **Ron Block NR2B** |
| **Education** | **Chris Prioli AD2CS** |
| **Field Day** | **Jim Wright N2GXJ** |
| **Hamfest** | **Ron Block NR2B** |
| **Health, Welfare, & Silent Keys** | **Bill Price NJ2S** |
| **Hospitality** | **Jeff Garth WB2ZBN** |
| **Membership & Membership Badges** | **Chris Prioli AD2CS** |
| **Publicity** | **Mike Resnick N2WOQ** |
| ***Repeaters*** | ***Open Chair*** |
| **Volunteer Examiner Liaison** | **Chris Prioli AD2CS** |
| **W2MMD Clubhouse Site** | **Al Arrison KB2AYU** |

| Activity Committees | Committee Chairs |
|---|---|
| **Awards & Certificates** | **GCARC Board of Directors** |
| **Club Photographer** | **Phil Nunzio WA3RGY** |
| **Club Publications & Historian** | **Jeff Garth WB2ZBN** |
| **Contests** | **Tony Starr K3TS** |
| **GCARC Foxhunts** | **Jim Wright N2GXJ** |
| **GCARC Picnic** | **Frank Romeo N3PUU** |
| **GC-ARES Emergency Coordinator** | **Bob Keogh KD2NEC** |
| **Holiday Dinner Party** | **Beth Barnish KB2EAL** |
| **Membership Roster Database** | **Jeff Garth WB2ZBN** |
| **Nominations** | **Jon Pearce WB2MNF** |
| **Programs : General Membership Meetings** | **Ron Block NR2B** |
| ***Radio Nets*** | ***Open Chair*** |
| **Technical (Tech Saturday, TechNets)** | **Jon Pearce WB2MNF** |
| **W2MMD License Trustee** | **Darrell Neron AB2E** |
| **W2MMD Special Event Station** | **Mark Gottlieb KK2L** |

## GCARC <*at*> Mailman <*dot*> QTH <*dot*> Net e-mail reflector guidelines

1. **No attachments** (e.g. pictures, files) are allowed on the reflector.
2. If you have Club-related pictures that you would like to share, you can send them to the webmaster, he will put them on the website and will send out a general e-mail to all the members.
3. Otherwise, the pictures will have to be sent to the members' addresses.
4. URLs/Hyperlinks are acceptable on the reflector.
5. Do not send any messages with e-mail addresses in the **BCC** (**Blind Carbon Copy**) field. The message will be rejected. Use only the **To:** or **CC:** fields.
6. Members are subscribed to the reflector using the member's e-mail address from the roster database. You must use that address when sending an e-mail via the reflector.
7. If you use another address on the reflector, the message will get rejected or "*bounced*", because the reflector does not recognize that address. Whenever a message sent to reflector is rejected or *"bounced"* for various reasons, the administrator has to log-in to the Mailman.QTH website and approve the message.

## The W2MMD Repeaters

**2 Meter Repeater**
Output : 147.180 MHz
Input : 147.780 MHz
Offset : +600 kHz - PL : 131.8 Hz
**(Conventional FM plus C4FM Capability)**
**EchoLink : W2MMD-R**

**70 cm Repeater**
Output : 442.100 MHz
Input : 447.100 MHz
Offset : +5 MHz - PL : 131.8 Hz
**(Conventional FM plus C4FM Capability)**

The above repeaters are both
located in Pitman, NJ
GPS : 39.728481°, -75.131088°

**1.25 Meter Repeater**
Output : 224.660 MHz
Input : 223.060 MHz
Offset : -1.6 MHz - PL : 131.8 Hz
Location : Sewell, NJ
GPS : 39.746738°, -75.077094°

**SKYWARN™ Net**
Sunday @ 1930 : 147.180 MHz Repeater

**Gloucester County ARES Net**
Sunday @ 2000 : 147.180 MHz Repeater

**GCARC TechNet ZOOM Forum**
Available Every Monday @ 1930 Hours
**Join ZOOM Meeting Link :**
**https://bit.ly/3K8bWwj**

**Tuesday AfterNoon 2M Net @ 1200 Hours**

**Monday & Thursday Night 40M Net**
**1930 Hours**
**7.170 MHz (Plus or Minus 5 or 10 kHz)**

**Thursday 2M Net @ 2000 Hours**

**All 2 Meter Nets Are Also On EchoLink :**
**W2MMD-R**

## Meeting Calendar

***General Membership Meeting***
**Wednesday, October 01, 2025**
**1900 Hours**
**Pfeiffer Community Center**
**Simulcast Live on ZOOM**
**Meeting ID : 914 7364 1808**
**Passcode : 843147**
**Join ZOOM Meeting Link :**
**https://bit.ly/3Pt4dLO**

***Board of Directors Meeting***
**Wednesday, October 15, 2025**
**1900 Hours**
**W2MMD Clubhouse**

***"Ask not what your Club can do for you, Ask what you can do for your Club"***
***- KA2OSV***

***"There's More To Ham Radio Than You Can Possibly Do!"***
***- K3TS***

## *** Badges ***

**Need a new or replacement badge**
**Contact "*The Badge Man*"**

**Chris Prioli AD2CS**
**chris@ad2cs.com**

**Question Pool Answers : E4B01:B; E4B02:A; E4B03:C; E4B04:A; E4B05:B; E4B06:D; E4B07:A; E4B08:C; E4B09:B; E4B10:B; E4B11:D**